



FELIX

EXTRA 18 page
Careers Supplement

4d

18 January 1967

No 241

UNION HALLS FOR IC?

Report on housing

Over two thirds of the students at Imperial College spend more than 70% of their grant on food and accommodation alone. This is one of the many facts revealed in a report produced by Rob Collinge, a second-year engineer. The report is based on a 10% survey taken last term among IC students living in accommodation other than the College Halls of Residence. The survey was taken as it was felt that the standard of student housing had declined to a level where the student is no longer reaping the benefits of education in London.

The Robbins Report noted in 1963 that 'there is every sign that in most places the limit of available lodgings has now been reached. Indeed, if we consider the nature of some of the lodgings in which circumstances oblige students to live, the distances that they are forced to travel to their work, the lack of privacy—there are cases where three students share one study bedroom—and the absence of any kind of supervision, it can be said that the limit has been passed.'

The Collinge Report found that only 40% of those in the survey had facilities for private study. Of these, one in three lived at home or in other hostels of the university. The Robbins Committee observed that the student needs some form of privacy—a room of his own—through his university career and the Russell Report, produced recently by Bedford College notes that 'the need for privacy is not mere psychological or temperamental; it is academic'. The Collinge Report notes 'It must be a matter for grave concern that so few Imperial College students have the conditions of privacy necessary for study.'

Travelling time

It was found that two-thirds of students spend more than an hour each day in travelling between the College and their housing. The average time spent was 1½ hours and nearly 10% of students spent more than two hours per day in travelling. The report concludes that these figures may account for the reluctance of many students to make the journey to the facilities of Central London and the difficulty many find in taking an active part in the social life of the College.

Conditions

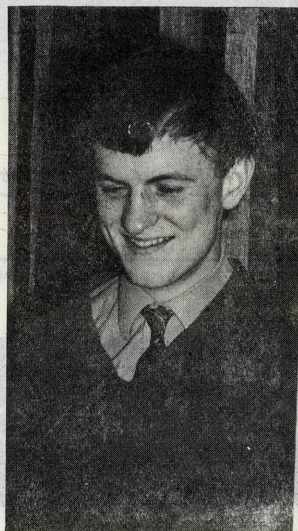
Students were invited to grade the conditions in which they live. The report concludes however, that the results of this may not be accurate as many would be disinclined to admit to living in slum conditions and 'fair' was taken as a neutral answer. Most said that they lived in fair conditions and a few in excellent.

The University Lodgings Bureau was used by 45% of students but only 50% of these were satisfied with its service. Those who used it had better conditions but tended to be further away from the College. Of the many complaints received about the bureau, the main one was about the small number of flats it could provide: it appears that there is a large demand for flats rather than digs or bedsitters. In view of the generally high demand for accommodation there is probably little that can be done by the bureau to obtain higher standards.

The report concludes 'that the typical IC student is not in an enviable position. He must pay high prices and has long travelling time. Even after this inconvenience, the student does not live in conditions most conducive to study. Indeed, it seems strange that the Department of Education and Science continues to expand and improve the teaching facilities in London whilst apparently, sparing little thought for the students who are to use them. The time for action is now.'

Student Houses

During the current credit squeeze it seems unlikely that the £1 million or so needed to build a Hall of Residence could be obtained by the College. Rob Collinge points to a solution in the form of Student Houses. Such houses flourish in the USA in the form of Fraternities and are owned by the student body and run by the residents. As no new buildings are required they can provide student accommodation more quickly and more cheaply than Halls of Residence. In the Kensington area many 99 year leases are currently about to fall-in and if the Union were to



Rob Collinge, Treasurer of the H.G. Wells Society, who conducted the survey and wrote the report on housing conditions.



John Dibblee, Secretary of the H.G. Wells Society, who investigated Fraternity House in the USA and the possibility of establishing one at IC.

buy some property, now is the time.

The capital cost per student is estimated at £1,500 in this area compared with £2,000 for a full-scale Hall of Residence. By working in smaller units, capital of £30,000 to £50,000 would be needed instead of the £1 million for a Hall of Residence. Running costs would be covered by rents and letting to foreign students during the vacation.

'Student Houses would therefore seem to be a solution to the lodging problem that could be im-

plemented rapidly and cheaply if the sources of capital were available'.

The report was presented to Council at its last meeting by Deputy-President Dave McBain. Council accepted it and recommended that the Welfare Officer Pete Finch should investigate the possibilities of raising the necessary capital.

Note: A deputation from NUS met senior officials of the Department of Education and Science on the 17th January to discuss student housing.

Hardship for overseas students?

The Government plans for increased fees for overseas students could severely effect Imperial College, which has proportionally one of the largest populations of such students. In spite of the Government scholarships fund to meet the £50 fee for overseas students with official who have already started higher education courses the 34% of overseas students in Britain who live on £40 a month or less, will be put in a more difficult financial situation by these new measures as a large proportion of them are privately financed. Two thirds of the overseas students now in Britain receive no financial support except that from their families.

On January 3rd Geoffrey Martin, President of the National Union of Students, said that the Union re-

gretted that the Department of Education and Science had taken such an important and far reaching step, which will drastically reduce the number of students in Britain from the developing countries.

The provision of places at colleges and universities for these students is one of our most valuable forms of overseas aid, but the new Government measures will not only deter new students coming to Britain, but will force students already studying here for college entrance qualifications to find an unbudgeted £250 extra a year or return home without a degree. The existing trust funds which can provide grants for overseas students are already inundated with legitimate applications.

Bawdy night for Folk Song Club



Trevor Lucas

Photo: D. Ormiston

An evening of songs ranging from the simply non-serious to what might best be described as bawdy was provided for the IC Folk Club at its last meeting by singer Trevor Lucas. The few members who attended gave a good reception to all his songs, a reception which grew better as the evening progressed and which was in direct proportion to the bawdiness. Interspersed with his songs were jokes and stories about the relative merits of English and Australian accents.

Trevor Lucas played to an audience containing mainly singers and committee members. He is an Anglicanised Australian of two years standing and sang English and American songs as well as Australian ones. Also performing were the usual residents and the evening was a considerable success despite the small audience, which increased slowly but never reached the size of the usual crowd.

P. Smith

University Psychiatric Service

A survey of psychiatric services in universities in the United Kingdom and Eire is being conducted by the Editor of T.C.D., the weekly magazine of Trinity College, Dublin. The psychiatrist or Student Medical Officer attending the university or college is asked to complete a questionnaire requesting details of the services provided, the frequency and forms of mental illness among students and opinions on any specific factors which might induce mental illness. No statistical analysis of the results is intended, they will simply be used as a pool of information to produce an article for the magazine. It is hoped that FELIX will be able to print this article when it appears later this term.

Islamic Mission Week

Ramadhan, the fasting period, ended on the 12th of January. It is followed in the Muslim calendar by a series of feast days, and to coincide with these, an Islamic mission is being held by the Islamic society, with the cooperation of the Turkish, Arab and Pakistan Societies. Involving five days of dinners, lectures, films and an exhibition, the mission runs from the 16th to the 20th of January. The purpose of the mission is to give a wider understanding of the Islamic way of life and religion, and all members of IC are welcome at each of its functions. The exhibition, planned to consist mainly of photographs and posters is to be on display in the Mech. Eng. concourse, to illustrate such things as the industrial and economic progress, and the artistic aspects of the Islamic nations. A series of lectures will also be held, all on the sixth floor of the Mech. Eng. building, and on Tuesday evening the Pakistan Society have arranged for Sir Harold Shoober to speak. On Wednesday evening a number of films covering Islamic countries will be shown, and Thursday evening is given over to the Turkish Society. The Mission culminates on Friday with a Grand Dinner in the Islamic manner; all irrespective of religion, are welcome to attend. Tickets cost 7/6 each and are readily available from the heads of the four societies involved. For full details of events contact the societies concerned or see FELIX What's On column.

J. Mullaly

Erratum

In the last issue FELIX reported that Sir Willis Jackson had been awarded a Baronetcy. This is not correct, his honour was in fact a Barony, a considerably higher honour. The error is regretted.

POLYURETHANE CHEMICALS • NYLON POLYMER • RESINS AND RUBBER PROCESSING CHEMICALS • PLASTICISERS • FOODSTUFF COLOURS
COLORING MATTER FOR ALL PURPOSES INCLUDING REACTIVE DYES FOR DYEING AND PRINTING OF TEXTILES, DYESTUFFS FOR NATURAL AND SYNTHETIC FIBRES • OIL ADDITIVES • FIBRE PROCESSING AIDS



Dyestuffs division

Chemists Chemical Engineers Mechanical Engineers

What would you do with £25 million a year?

We're investing it in an expansion programme to increase production of nylon polymer, polyurethanes and other organic chemicals including dyestuffs, and to step-up research effort over a wide range of organic chemistry. We make an unparalleled range and number of products — over 6,000 — which sell throughout the world because they are good. But we want them better still and new ones, too.

Like to join us?

In the course of the next few months there will be opportunities for Chemists, Chemical Engineers, and Mechanical Engineers to share in this important and interesting development. If you are hoping for a good honours degree or are carrying out post-graduate work and are interested in living and working in areas with a character of their own and good amenities, including housing among the most inexpensive in Britain, we will be glad to keep you advised of the opportunities and to let you know about salaries and conditions of service, which, we are confident, you will find attractive.

Simply write to Mr. H. J. F. McLean, Personnel Department, ICI Dyestuffs Division, P.O. Box 42, Manchester 9, stating the field in which you are interested. Please quote reference I.77/F.

INDUSTRIAL BACTERICIDES • FLOCCULATING AGENTS • WETTING AGENTS • DETERGENTS • CATALYSIS • KINETICS • COLLOID AND SURFACE CHEMISTRY • FOAMING AND DEFOAMING AGENTS
DYEUSTUFFS • POLYMERS • ISOCYANATES • AUXILIARIES • INTERMEDIATES • ANTIOXIDANTS • EMULSIFIERS • TEXTILE FINISHES

FOREIGN BODIES

by D I Williams

University censors paper

Christmas was hardly a time of goodwill at Birmingham. "Totally unacceptable" was how Mike Redhouse, treasurer of the Guild of Undergraduates, described a letter from the University Council telling of its decision on the censorship of student publications.

At an emergency meeting of the Guild Council, proposing a motion which rejects this decision and which was passed nem con, he said, "We must take quick, vehement, unqualified steps."

The trouble began when the Guild secretary was instructed by the Vice-Chancellor to remove an article of criticism about one of the halls of residence from the Wall magazine. The article was removed and replaced by a letter from the Vice-Chancellor.

Guild officials thought that this would be the end of the matter, but the University Council went on "to ask the Guild to provide the Registrar with copies of all Guild publications immediately on publication", instructed "each copy of 'Wall' to be signed and certified by the president of the Guild or the available Guild officer next in seniority", and informed "the Guild that if matter appears in Guild publications which is judged by the University to be offensive to members of the University staff or a hindrance to them in the performance of their duties, the Council will hold the author, editor and Guild liable to University disciplinary measures."

President Tony Klug commented that the events "Must not be interpreted as a weakening in the Guild's long-standing reputation of responsibility, but rather as revealing an inadequacy in the Guild's present machinery for the control of its publications. It is the Guild's responsibility to improve its own control."

Conflict at Loughborough

The question "who holds the whip?" has been raised at Loughborough following the rustication of three students for the removal of a sign at a Nottingham hall. The Union Council argues that it would have been more appropriate had it meted out punishment—suspension from the Union for a term and a fine of not less than five pounds—but the pro-Vice-Chancellor considered this a case where the university's prestige and reputation were involved.

Of the Union Disciplinary Committee he said, "It might be as well if the UDC confined itself to matters directly concerned with union affairs in the first instance. When the committee has gained some experience it will probably be able to take complete control of discipline."

Reviewing NUS membership

Newcastle University is reviewing its attitude towards the National Union of Students. By three votes, however, the Students' Representative Council rejected a proposal that the NUS committee be disbanded and its functions be taken over by the SRC welfare committee.

The rejection of a change to a single transferable voting system at the recent NUS conference aggravated Newcastle's situation. The Union in November stated that it may review its continued membership if STV is not adopted at Easter.

Courier

Bungled kidnap

A pressman covering the attempt to kidnap Miss South Africa at Cambridge in November described it as "the most bungled rag stunt (he) had ever seen". Only slightly ruffled, she continued as planned to speak against the annual debate motion that "beauty is only skin deep"; the motion was defeated unanimously.

Varsity

Illegal canvassing

Allegations of illegal canvassing in the "dirtiest union elections ever" have been brought against candidates for the presidency and librarianship at Bristol, who were accused of making a formal electoral pact and conducting canvassing in support of this. A Bird, who has been previously fined by the union for conspiracy to canvas, commented, "This seems to be a smear campaign motivated from personal spite".

Nonesuch

LSE review of regulations

LSE has decided to set up a committee with equal representation from the student population which will undertake a complete review of the School's regulations.

Student buys freedom

After 35 days detention in a Greek prison awaiting trial following a car crash, a Birmingham graduate was sentenced to six months in jail for "murder by neglect". Within three months, however, his family raised the money required to "buy" his release.

Maintaining that another driver was to blame for his accident, he claimed that prison conditions were "incredibly inhuman" and demoralising.

IC student is Vice-Pres. UNSA

Nitin Som, currently Vice-President of the International Relations Club at IC, was recently elected a Vice-President of the United Nations Student Association. His election took place at the 21st Annual Conference held in Cardiff from 2nd—6th January. This event has been gaining in popularity in recent years and as many as forty branches from universities all over the country sent delegates this year. The International Relations Club was represented by a full delegation.

Political manoeuvres have never played a great part in past UNSA Conferences and this year was no exception. Delegates debated various domestic, national and inter-

national issues, first in specialised commissions and then in full plenary sessions. The system was found most satisfactory, enabling delegates to examine an issue at depth. The policies thus formulated on South-East Asia, Southern Africa and Economic Development had therefore the merit of thorough investigation. A major UNSA project—Teaching of International Affairs in schools—is now well advanced and the report of an extensive survey is due out towards the end of the year. An emergency debate on Overseas Students' fees condemned the decision and the Association decided to resist any increase.

All in all it was a most stimulating time. The hospitality of the Cardiff branch who were the host, and indeed of the Welsh people, will be the envy of Edinburgh where next year's Conference will meet.

How an account with the Westminster can play an important part in your career

THINGS CAN BE very difficult when you get out on your own. Everything suddenly, frighteningly expensive. Ends hardly ever seeming to meet. The Westminster can help you, as it helps thousands of young people every year.

1. As you get into your stride. You'll soon have money decisions to make (types of insurance, mortgage problems, and so on). Your local Westminster Manager has immense experience of such problems. Let him help you draw up a personal budget that will give you a chance to build up a small reserve of capital.

2. The price of success. The more successful you are, the more expenses you will have. And the more you'll need to keep track of where your money's going. Clothes, entertainment, foreign travel, children's education. The Westminster gives you a precise record of how you spend your money and will pay all your regular bills by 'standing order'.

3. When you reach the top. Sooner or later you'll have to invest quite substantial sums of personal capital. The quality of your life after retirement depends on how you do it. The best advice comes from someone who knows you. That's when you're doubly glad you joined the Westminster early, and built up a good relationship with your Manager.

4. A word about your Manager. His instinct is *not* to warn, but to help. Call in on your local Westminster Manager—you'll see what an up-to-date bank can do. And you'll probably find he is prepared to reduce the cost of your bank charges in the early years of your career.

* * *

Have a talk this week with your local Westminster Manager. Ask how he can help you in your career. The Westminster has over 1,380 branches in England and Wales. Head Office: 41 Lothbury, London, EC2.

FELIX

London, S.W.7
Internal 2881/2799
Telephones: KEN 2963

EDITOR C. G. HARRISON

Asst. Editor: Nigel Shindler
Sports Editor: Alan Robins
Features Editor: David Potter
News Editor: Stewart Barnes
Business Manager: Richard Davies
Sales: Chris Palmer, Peter Munday
Asst. Sales Manager: Judith Pearson
Advertising Manager: Robin Hall
Cartoonist: Bob Russell
What's On Editor: Ken Simpson

With: Ron Bass, Nick Clarke,
Colcutt, Roger Cooper, Brian Costin,
Adam Gawronski, Justin Griffith,
Paul Heath, Frank Morris, John Mul-
laly, Dave Ormiston, Paul Smith,
Dave Sullivan, Mike Yu, Ian
Williams, Mike Hale

Advertising Agency: Educational Publicity (Partners) Ltd.
CHA 6081

Letters to FELIX

South African Universities

Sir,

I refer to your newsletter which contains the following item:

'In view of the total lack of universities for black South Africans in South Africa, it is planned to set up an IC South African Student Appeal Fund. The aim of this fund is to bring a black South African to this country to study at IC for three years. The fund would pay his fares and give him a little grant for his stay here of the order of that given to other students at IC. The carnival charity can make an invaluable contribution to getting this fund well on the way to the required £2000.'

This is not a true representation of the facts. Usually we would not feel compelled to react to such a statement, but as a request for public money is involved, we feel that perhaps you would like to put the record straight. There are three Bantu university colleges catering exclusively for Bantu students in South Africa. They are the University College of the North, catering specifically for the Bantu peoples of the northern Transvaal; the University College of Zululand—for the Zulu nation in Natal; and Fort Hare, for the Xhosa people of the Transkei. The standards of instruction at these colleges are laid down by the University of South Africa, which is also the examining body.

The University of South Africa is unique in many ways. It is not only an examining body but is also a teaching university—by correspondence. Students are from all national groups in South Africa, including our Bantu population groups. I should also mention that many applications for enrolment in the Bantu University Colleges are regularly received from outside the Republic's borders, particularly from students in Lesotho, Botswana and Swaziland—so many in fact, that it has been decided to award places at these colleges for a limited number of foreign Bantu students only. The reason for this is that we would rather accommodate our own Bantu students.

J.J. BEYTELL
Information Attache
South African Embassy

Ed.: The Student Technologist defines a university college as 'like a university and doing university work, but ... lacking the power to grant degrees'.

Sir,

I should like to take the opportunity of replying to Mr Beytell. As he so rightly says, the University of South Africa is unique in many ways. There are indeed African university colleges in South Africa but these would not classify as universities in a sense accepted in this country or even in the normal white South African sense. 40% of the students at these colleges are not even taking degree courses. The academic standards are low and the salaries of the professors and lectures are considerably lower than those received by their colleagues in the white universities. Professors, for example, receive £450 less per annum. Added to this, African teachers receive less still than their white counterparts and they may not in normal circumstances teach in a white university. Thus the money spent per head at these colleges is considerably lower than at other universities. Even the capital cost is lower. It is noteworthy that the estimated capital expenditure on the two colleges of the North and of Zululand is £400,000 each. This may be compared with the £2,000,000 to be spent on the first stage of the similar institution at Ibadan to cope with two-thirds of the number of students expected at the two Bantu colleges.

There is at these colleges no such thing as university autonomy, a freedom respected almost throughout the world this side of the Iron Curtain. They are under the direct control of the Minister for Bantu Education.

For those who remain unconvinced or who would like to know the first instance to the Rt. Revd. Ambrose Reeves' pamphlet 'Let the facts speak'.

Andrew Jordan

AS IN THE PAST the Editor will be pleased to receive letters for publication. However, the right to withhold letters from publication, either in part or in toto, is reserved.

THE EDITOR reminds all contributors that copy for any issue of FELIX must arrive on or before the Wednesday before publication.

EDITOR'S Comment

Union successes...?

Sometimes it is pleasing to be proved wrong. Having spent several hundred words wondering, in past editorials, why the Union does so little that is constructive, I am reassured to find that there are people who care. Probably the best news of late has been about Carnival. Carnival looks like having its best year yet if the results to date are to be typical of the year. Even Jerry Stockbridge, who must take a large amount of the credit for the success, confesses to being somewhat amazed. But he alone is not responsible; probably a major factor has been the decision to move Carnival into the constituent Unions and thus make it part of Union life rather than just another Union organisation. The Vice-Presidents have done excellent work in ensuring that the Union members have known what is going on, with the result that several hundred pounds has been collected by each Union. Indeed, this year the whole group of people associated with Carnival seems a lot keener than was the case last year. The prospects are good; this in itself is a good situation, because if Carnival had done badly for two years in succession, its very future existence would have been doubtful.

Too much money?

Perhaps there is a tendency among the organisers to concentrate solely on the task of collecting money for this very worthwhile charity. The procession is unlikely to take place because it is a great deal of trouble and only raises £100 and the Dramatic Society's revue may be reduced to one night because it does not make very much. The organisers seem to forget that people take part in Carnival, not out of any sense of righteousness from 'doing good', but because they enjoy it. Carnival exists not only to collect money for charity but to provide enjoyment and entertainment for the members of the Union.

A chance for independence

One of the other worthwhile events to take place this year, was the effort made by Rob Collinge and one or two others in preparing his report (in this issue), which could materially affect the future of the Union. The Robbins report makes it quite clear that the increase in the number of places in Halls of Residence should keep pace with the number of students—this has not happened in general though IC is better off than many colleges. In the near future the number of students in IC is going up to 4,700 thus decreasing still further the ratio of hall places to students. Student Houses would be independent of the College, being run and owned by the Union. This opportunity to establish the Union as a responsible body with the intelligence to increase its own facilities must not be missed.

Battersea's Bird?

Sir,

This is a letter of protest concerning a claim made in a recent edition of FELIX, that you have successfully stolen the mascot of Battersea College of Education.

While regretting the offending

Guildsmen's lack of taste in birds, we are happy to inform you that our mascot is still with us.

It seems odd that, while deploring the unethical conduct of Mike's captors, you condone the same behaviour in your own students.

Frances Sheenan
President of the Students Union

INTERESTED IN:

UNIONS
UPANISHADS
UNDERGROUNDS

Then come to the

**HALDANE
LIBRARY**

13 Princes Gardens
for a book about it.

Open Term:
Mon-Fri (not Wed) 10.0-7.0
Wednesday 10.0-5.30
Vac.: Mon-Fri 10.0-12.0
1.0-5.0

LAMLEY'S

technical & general
books

art materials

drawing
instruments

stationery

paperbacks

1.3 & 5, Exhibition Rd.,

London S.W.7.

How many times...?

Sir,

I have just been taught how to solve a Second Order Differential Equation for about the fifth time in eighteen months. I don't mind the repetition all that much; after all, I have nothing personal against Second Order Differential Equations, and they are an important topic in my field of study. What I resent are the reasons behind the repetition.

Obviously, five lecturers have needed to use the method during a lecture, and weren't sure whether anyone else had taught it to us. You'd think that anyone compiling a course would first find out what we had been taught, or alternatively when we are going to be taught it. I've lost count of the number of times that lecturers or experiments in practical periods have used material from other courses which we either haven't finished or else haven't even started.

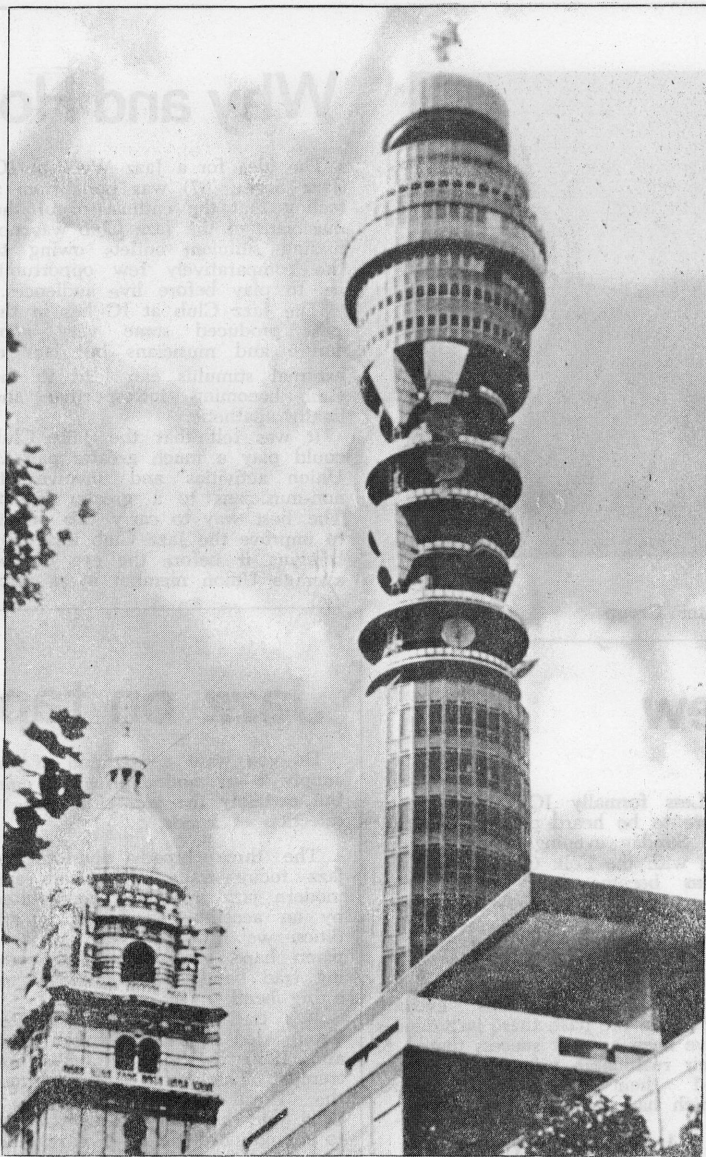
The other important thing in a course is of course the lecturer. Students are selected on the basis of their academic ability; why aren't lecturers selected on the basis of their teaching ability? Although I like a system in which a lazy student is not compelled to work, I don't see why it follows that a bad lecturer should not be compelled to improve his lecturing. He lectures for our benefit and if he does the job badly, something should be done about it. There is not even any official channel that we can use to tell lecturers how good or how bad they are.

Of course, we do have good lecturers too. One of ours has just completed twenty lectures, accompanied by an almost verbatim transcript running to about 150 printed foolscap sides of "notes", copies of which were circulated among the audience. I enjoyed his lectures, but they were almost a complete waste of both his time and ours.

Finally, there are those minor matters like courses which end in November, and which we are examined on in June with no refresher course in between; courses which begin in the Summer term a few weeks before the exams; and chunks of a course being cut out of an exam I suppose I will be told that if we had worked harder during the year these things would be no problem. But we are at university to learn (among other things), and I see no reason to learn the hard way when there is an easy one. The end, not the means, is important.

Isn't it time that someone sat down and actually thought about what is taught, when it is taught, and how it is taught? How about the revolutionary step of actually asking the students which courses are best laid out and best timed, and, especially, which, by name are the good and the bad lecturers, and why? Or does nobody care about the people on the receiving end?

W.H.O. claims the GPO tower



Above: the new siting of the stolen mascot before it was rendered invisible by means of RAPE.

Below: the reduced tower compared with a sewing needle. Photographs by G. Mackmann.

But as I said, I don't really mind being taught how to solve a Second Order Differential Equation five times in eighteen months. Perhaps at the sixth time it will sink in.

OTOLI
Elect. Eng. 2

Table-tennis

Sir,

At least a week before the college closed for vacation, the table tennis bats were removed and God bless the Secretary, who has not yet realised that the college has reopened.

K. Kumar

UC defeated

On learning that University College had procured IC's mascot MIKE, members of W.H.O. (Wooden Horse Organisation) prepared a fiendish plot. The official mascot of UC is the new 660 foot GPO tower which has previously been thought unstealable. Using the superior scientific and technological resources available within the College, the members of W.H.O. produced R.A.P.E. (Reducing And Polarising Equipment) which is capable of reducing the height of the tower to 5mm and the mass correspondingly. The extra mass is converted into energy and transmitted to the final site where it is stored until the arrival of the reduced tower.

Into action

So on Tuesday 10th January the Three Mascoteers, under the auspices of R.N. Hayfork proceeded to the foot of the tower and prepared to RAPE it. The apparatus was tested on an offensive bule who subsequently crushed under a falling snowflake.

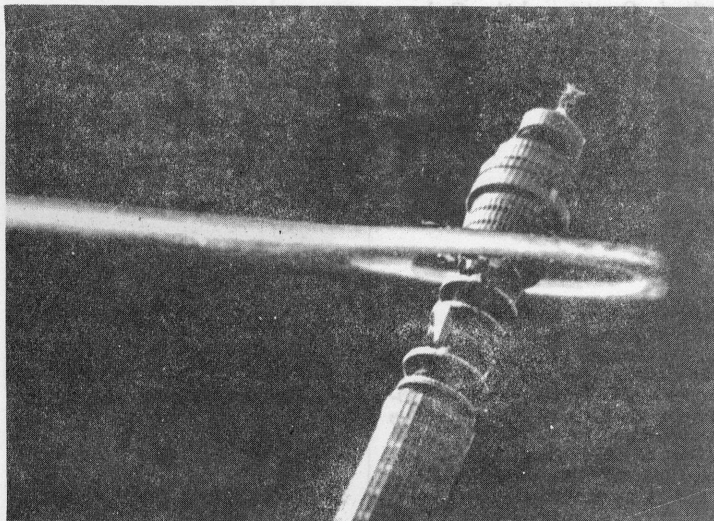
The tower was rapidly reduced, placed in a match-box and a life-sized cardboard replica erected in its place so that the GPO would not be inconvenienced. The miniature tower was carried to IC and by means of RAPE was reconstituted and placed in the middle of the Guilds Quadrangle.

Now invisible

So as not to arouse the wrath of the College authorities by scarring the campus with this hideous structure, a permanently polarising invisibility barrier was erected around the tower.

IC is proud to have effected the first theft of this mascot. For many centuries to come, no other college could be equipped to even locate this former landmark—such is the state of technological advance at IC.

W.H.O.

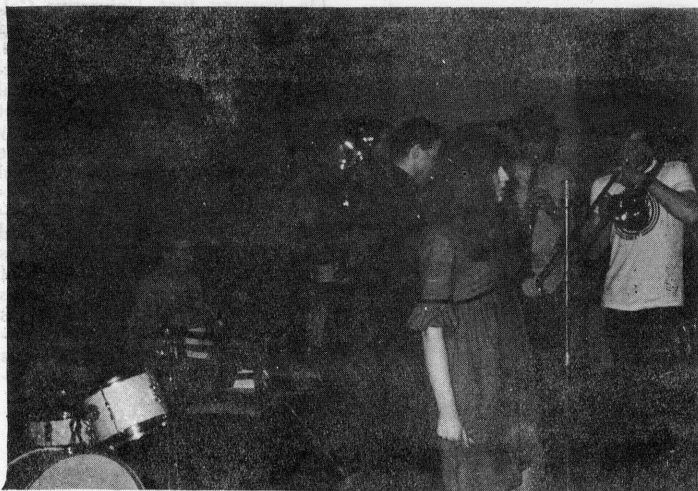


NEW statesman

ESSENTIAL READING FOR STUDENTS. Every Friday 1s. only.

Keep informed on politics, world affairs, new books, all the arts. **SPECIAL OFFER** to new student readers: 20 weeks for 10s. Write sending 10s. to Arthur Souther, NEW STATESMAN, Gt. Turnstile, London WC1.

JAZZ SCENE '67



Above: The Splinter Group

IC Jazz on view

"Jazz Scene '67" will be the highlight of the year for the IC jazz club and may be the only time many students will really come into contact with jazz here. Even so, the Jazz Club will be organising or participating in many functions throughout the year for your entertainment.

This session will be one of the most active in the history of the Club and certainly there will be few weeks when jazz will not be heard in public at IC. There have always been daily rehearsals held internally in the Club but this year it has become much more extrovert with numerous concerts of a more or less formal nature.

On the more formal side—if that is the word—we heard several well-known professional bands playing in Wednesday evening "Cellar Sessions" last term, notably Dick Morrissey's Quartet and the Graham Collier Septet.

Less formally IC's own bands were to be heard playing regularly on Sunday evenings in collaboration with the Folk Club. These sessions became very popular last term and happily they have been continued.

For this term, replacing the Cellar Sessions, we are holding a series of mid-week Southside Stomps beginning this evening (18th). In the past, these jazz dances have been a great success thanks to their reasonable prices, good music and their unique atmosphere, which has become quite famous.

Jazz Records

Jazz on disc may be heard regularly in the Jazz Club room above the Union bar at the lunchtime on Thursdays when recitals are held. Anyone interested is always welcome.

R.W.C.

Jazz Programme

Sunday Jan 29th
8.00-10.30pm. Folk and Jazz
Union Lower Lounge

Monday Jan 30th
Session I "Trad Night" 7.30-10.30 pm Union Lower Lounge

Tuesday Jan 31st
"The Best of Everything" —
tape recital with comments by
Irvin Van Colle 8.00-10.00pm
Union

Wednesday Feb 1st
Humphrey Littleton—General
Studies
Session II "Mainly Modern"
7.30-10.30pm Union Lower
Lounge

Friday Feb 2nd
"Poetry and Jazz The Jazz
Congress" Concert Hall.



Why and How it started

The idea for a Jazz Week at IC (Jazz Scene '67) was born from a feeling that the enthusiasm of the musicians of the Jazz Club was not finding sufficient outlets owing to the comparatively few opportunities to play before live audiences.

The Jazz Club at IC has in the past produced some very good music and musicians but lack of external stimulus can lead to the Club becoming introspective and finally apathetic.

It was felt that the Jazz Club could play a much greater part in Union activities and involve its non-musicians to a greater extent. The best way to carry this out is to improve the Jazz Club image by bringing it before the eye of the average Union member in as forc-

ible way as possible. It is hoped that Jazz Scene '67 will make an impact on all Union members, particularly those responsible for organising Hops, etc. It is probably not realised that the average jazz musician is willing to play for the sheer pleasure of playing, so that groups from the College Club will normally be happy to play for a nominal fee (or beer!).

During the week of Jazz Scene '67, besides the presence of outside groups and personalities, there will be 'Jam Session' evenings during which College groups and, we hope, groups from the other Colleges will play. These sessions will be very informal and should provide a lot of good music.

J.H.

Jazz on tap

Do you want a jazzband of your favourite style? IC Jazz Club can supply it—at modest prices of course. This may be a slight exaggeration but certainly the jazz club spans the whole field of jazz with its present selection of bands.

The three broad divisions of jazz today—trad, mainstream and modern jazz are each represented by an accomplished band. In addition we have a very versatile piano band group, an up-and-coming trad band and the nucleus of a big band.

IC's trad band is the "Splinter Group" led in paths between 1915 and 1930 by John Franklin on trumpet. This band emerged from the "Royal Garden Stompers" of 1964 and has gone from strength to strength ever since. It is regularly seen at parties, carnivals, etc.

The mainstream contender is the "Clay-Holt 6" co-led by Roger Clay on trombone and John Holt on tenor sax. Though it has only been in existence for one term it has made swift progress, probably because of its composition of experienced musicians. Again, as for College bands in general, parties and hops are its main dish.

More way-out concepts are available from the modern "New

Jazztet" under the guidance of John Henry, President of the Club. This organisation is now in its second year and with a line-up of alto sax, trumpet and flute presents a unique sound.

Clive Heath, our pianist of renown is to be found in many guises from bass player to arranger. With his collaborators he has for several years been a force behind the club both musically and managerially. Usually to be heard in his trio he may with luck be heard with his friends in quartet and quintet.

Latest band

Our latest band is a second trad band, the "New Jazz Group" under the leadership of John Matthews on clarinet. This band now seems to be over its teething troubles and is looking forward to a bright future.

This then is the range of IC jazz bands, pleasantly complete, something to suit your taste and your pocket.

R.W.C.

Below: The Clay-Holt 6
Below right: The New Jazztet
Photographs by D. Cooper



Industrial Gas Turbines • Motor Cars • Aero Engines • Diesel and Petrol Engines • Nuclear Propulsion • Rocket Motors

... time for decision

Your decision on the career you want to follow is one of the most important you will ever make. Industry or teaching? Further training or a job straight away? Large firm or small firm? The best decisions are based on the possession of all available information, and you owe it to yourself to make the best-informed choice possible. If you want to know about training and prospects for graduates in an expanding, dynamic company with an outstanding record of technological achievement, a major contributor to the national export drive, whose diversity of products ensures a wide range of opportunities in research, design, development, production and administration, have a word with your University Appointments Officer: he will tell you about Rolls-Royce. Or, if you prefer, write direct to the Personnel Manager.



ROLLS-ROYCE LIMITED, DERBY.

Woozles, Heffalumps and Christopher Robin - Pooh goes hunting

A warning has been received that the Pooh Club are planning a Woozle Hunt in London Underground. The hunt will combine business with pleasure, since all those taking part will carry collecting tins; the prize for the successful woozle discoverer will be an undisclosed sum of money taken from the proceeds of the collection. At present the details are vague—'Sometime later this term, somewhere in the underground'—but the chief problem is the identity of the woozle, for by its

very definition, no one knows what a woozle looks like—a crafty dodge!

It has been brought to the notice of the Pooh Club that the once extinct Heffalump has been seen roaming the London Underground.

Piglet, who has never seen a Heffalump, is offering a reward for its capture.

A hunt for it will be organised in the next few weeks. All proceeds will go to the Carnival Charity. C. R.

Visiting Miners

During the final week of last term ten students from five European mining schools visited the RSM. There were six Frenchmen, two Dutchmen, and two Yugoslavs.

Apart from visits to the bar, the visitors were given a coach-tour around London, shown the academic side of Mines, and subjected to an industrial visit. Evening activities included the Christmas dinner, carol singing, and watching wrestling. The climax of the week was their attendance at the Mines Ball; and with the help of ICWA all seemed to enjoy themselves.

During the previous week seven Minesmen had enjoyed the hospitality of mining establishments in France and Sweden.

Father Bernard

The Wednesday services in the Concert Hall have been discontinued. Instead for residents of Beit Hall there will be Eucharist celebrated in Room 72 by Father Bernard Chamberlain of the Community of the Resurrection. The service will begin at 9.00 am. during a trial period. Father Bernard will be visiting the Hall three days per week in future.

Christmas Climbing

The Mountaineering Club's winter meet began on Boxing Day and during the six days that followed the key adjectives were 'gripping' and 'epic' with the coefficient of friction in the cuillins of Skye reduced to a minimum by ice and snow, and weather conditions varying from moderate to terrible, intrepid deeds were commonplace. Reserve parties attempting to retrieve items of gear lost in the snow on the mountains were repulsed by the conditions; and one group spent half the night climbing down the mountain arriving at the bottom, just in time to meet the search party. Despite traditional New Year's Eve revels, climbing went on the next day, and no serious falls were recorded. On the 2nd day the club left the splendidly well-equipped Glen Brittle hut only to get stuck in snow halfway down the Highlands. Eventually even this obstacle was overcome, and all returned home without further mishaps, save the attentions of a police patrolman.

J. Mullaly

In Unilever, management is more than a career...

... it has acquired the status of a profession and, as such, requires highly developed skills – skills that are never found ready made. For this reason we have evolved a comprehensive system of management training and development for young men and women of outstanding calibre.

Unilever is the sixth largest company in the world, with about 300,000 employees in 80 countries. We make and sell consumer products which are household names and produce raw and manufactured materials for other industries.

A high proportion of the management of this widely diversified company are graduates. For 40 years we have been systematically recruiting students from Universities.

Challenging Opportunities for Scientists and Arts Graduates

In Unilever, we do not simply accept change, we play a large part in creating it. Keeping the company in the forefront of its field means many intellectually exacting and satisfying jobs for scientists and technologists, for economists, mathematicians, sociologists and all types of Arts graduates.

No matter what your discipline at University, you have a wide choice of career in Unilever. A physicist might well turn to Market Research. Or a Zoologist to running a factory. The direction you take is largely up to you.

If you are interested in a career in Unilever, our booklet on the Unilever Companies' Management Development Scheme gives simply and factually much of the information you will require – the structure of the Company, prospects, how training is carried out and an indication of some of the things you might find yourself doing if you joined. It also contains details of the selection procedure and how to apply.

If you would like to know more about the U.C.M.D.S., and about Unilever, ask your Appointments Officer for our booklet, "Careers in Unilever 1967", or write to: C. R. Stewart, Personnel Division, Unilever House, London, E.C.4.



A manager from Unilever will be visiting your University during the Spring Term to interview students. Details of his visit can be had from your Appointments Officer.

Oh dad, poor dad, Mamma's hung you in the closet and I'm feelin' so sad

Following their very successful production of "A Penny for a Song" last term, the Dramatic Society have chosen for their Easter production a play I. Kopit entitled: "Oh Dad, Poor Dad, Mamma's hung you in the closet and I'm feeling so sad."

As the title may suggest, this play is somewhat less conventional than previous productions over the last few years. It is a modern play (it was first performed at the Lyric Theatre, Hammersmith), and was written by Mr. Kopit for an undergraduate group in Cambridge, Massachusetts. He describes the play as "pseudoclassical tragicomedy in a bastard French tradition"; the New Statesman describes it as "a Freudian phantasy." In any event it is an exciting play, full of drama which shows the struggle of a son to liberate himself from a wilful and domineering mother.

The play is to be produced by Roger Haines and will be performed from the 13th to the 16th of March.

J. Golder

RCSU Vice - Presidential Election

Excellent gliding in Scotland

ICGC GOES TO SCOTLAND

Over the New Year, seven members of IC Gliding Club ran an expedition to the Scottish Gliding Union's site at Portmoak, Kinross-shire. This site is well known for producing 'wave' lift in which high altitudes may be attained. Two gliders were taken, the club's Skylark 4 and a Dart 7R owned by Frank Irving, a vice-president of the club.

During the first three days weather conditions were poor and little or no gliding took place. However, on the fourth day, two members succeeded in reaching 6,000 feet in a small wave system. But, on the last day conditions were perfect and a large wave system was seen over the site. Frank Irving, flying his Dart and Ron Cosser (Chemistry PG) succeeded in reaching 15,000 feet, using oxygen equipment. This flight contributed to Ron's Gold 'C' gliding badge and two other members, Ian Ronald and Howard Torode achieved Silver 'C' height gains. The expedition was considered an unqualified success, all members vowing to return at a later date, possibly next Christmas.

Shortage of cutlery following amnesty

The amnesty on refectories cutlery, crockery and glasses, which was held at the end of last term, appears to have had a limited success. Deputy President Dave McBain said that about a hundred glasses and a certain amount of cutlery had been returned. However Mrs Barge of the Union refectories said that no knives had been returned and there is now a distinct shortage of knives. Complaints about the lack of knives have been made and a member of Council has suggested that more should be purchased.

More Treble Results

The results of the Carnival Treble during the vacation are as follows:

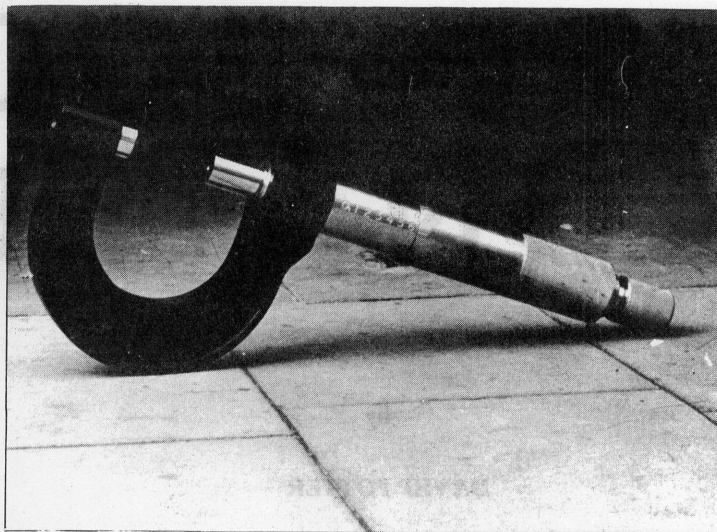
17 Dec.	13 Goals	£27/10/-
	No 671	
31 Dec.	15 Goals	£22/10/-
	No 16	
	No 818	
	No 828	
7 Jan.	10 Goals	£22/10/-
	No 829	
	No 910	
	No 963	

The Sporting section of RCS Union is now in search of a new leader, as a result of the loss of Dick Conn, who left last term. The nomination papers, posted at the weekend, were the first step to the election of a new Vice-President. If more than one candidate appears, the hustings are arranged to be held on Thursday 26th January, and the election on Monday 30th. The result of such an election would be announced during the Union Meeting on Thursday.

Dick Conn gave notice of his resignation to the President Keith Cavanagh on 5th November, when it was apparent that he would be unable to obtain a grant for his post-graduate studies. He spent the remaining weeks of term arranging such events as the highly successful collections at the London Rail Termini.

The main duty of the new Vice-President will be the continuation of the RCS effort in Carnival, and hence the successful candidate should be familiar with Carnival activities and a competent and diligent organiser.

R. Bass



MIKE - where are you?

Ralph Cornforth admits that at present he has no knowledge of the whereabouts of MIKE, which as now has been missing for five weeks. It was traced last term to University College Union, who sent Ralph a Christmas card promising the first clue on the first

day of term. Since Christmas, however, reports have come back to IC that MIKE is now in the custody of City University in the company of PHINEAS, one of UC's mascots. Certainly no clues have appeared by which to recover MIKE.



Opportunities For Graduates

Du Pont - the world's largest chemical firm - is expanding in Europe. Du Pont Company (U.K.) Ltd. is a key part of this growth, with a major elastomer chemicals complex already in operation and two fibres plants now being built at its Maydown Works, Londonderry, N. Ireland.

This expansion creates opportunities for

CHEMISTS CHEMICAL ENGINEERS ELECTRICAL ENGINEERS MECHANICAL ENGINEERS

Our manufacturing processes are advanced and the posts we offer call for a wide range of technical skills. Salary, benefits and general conditions of service are generous and in keeping with the best industrial practice. There may be opportunities to visit the United States and Continental Europe either for specialist training or to widen experience.

Representatives from Du Pont will be at the Appointments Board on 15th and 16th March, 1967.

FOCUS ON LEISURE

by

DAVID POTTER

and

MARTIN WALKER

First Year Zeal Blunted by I.C. Social Scene

FELIX carried out a survey to determine how the average IC student spends his time outside the lecture theatre. A random sample of the whole student body was taken. Particularly we wanted to find out to what extent the attractions of London drew the student away from the IC social scene.

How many students positively

gain by Living in London? What was the difference in attitude to IC as an undergraduate progressed from 1st year to his third year? We wanted to compare, too, the attitude of science students to that of engineering and mining students. In this article we publish some of these results and some of the attitudes found.

A survey conducted on the leisure of I.C. students has brought some surprising trends to light. Freshmen arrive at I.C. full of naive enthusiasm and a fervent desire to drink deeply at the well head of knowledge, to participate fully in the I.C. social scene and to centre their life on the campus—a campus providing 'The University Life'. By their second and third years, however, this commendable attitude has changed—their fervour has been blunted. Many have deserted I.C. as a centre of social activity in favour of London itself and the desire to live in Hall has declined. By the time one is a postgraduate, IC is a place in which to work; postgraduates in general live, and want to live, away from the College and seek their entertainment in London rather than the Union.

RELATIVE DIVISION OF LEISURE

	Science	Eng./Mining	1st Years	2nd/3rd Years	Postgraduates
I.C. Sports Hobbies Clubs	% 34	% 38	% 38	% 35	% 36
I.C. Bars Hops Social Entertainment	15	18	22	11	10
I.C. Total Leisure Time	49	56	60	45	46
LONDON Attractions Total Time	51	44	40	55	54
Active Leisure Hours per Week	11 hours	10 hours	10 hours	11 hours	14 hours

FELIX printed a number of forms to get the facts for the survey and a random number of names were taken from the faculty lists. The forms were distributed and a response of 40% was obtained. In addition students were approached in various faculty entrances. A small but significant sample was obtained. Average figures given appear small, but the variation in activities, and the hours involved for individual student was vast.

FRESHMEN

to

POSTGRADUATES

Looking closely at the results the

The table given summarizes some basic results. A comparison is made between first years and older undergraduates and secondly, between those in engineering and mining and those in the sciences.

trend away from IC as the average student progresses appear frequently. Strangely enough average sports participation rose from 1½ hours a week for the average undergraduate to 2 hours a week for post-graduates but this could easily be a quirk of our particular sample.

Much more significant, from the point of view of social participation, is the time spent in clubs, at hops and in pubs both at IC and elsewhere in London. While a freshman spends 22% of his leisure time at IC social functions, the corresponding figures for post-graduates drops to 10%. More dramatic is the increased use made by second year, third year and postgraduate students of what London has to offer. First year students spend only an hour a week in outside cultural activities and two hours in London pubs.

The postgraduate student, however, spends about 4 hours a week and 3½ hours a week on these activities respectively.

Why then is there this progressive movement away from IC? Most students feel that the variety and quantity of extracurricular activities at IC are high but surprisingly few make any real use of them. Moreover, the use made of them declines with time spent in College. It appears that the freshmen are attracted while their colleagues have acquired a more wordly and cynical attitude towards the student life. As they mature, students look more and more outside the College for entertainment and relaxation. The man referred to cynically as the 'brown-bagger' who only spends a 9.00-5.00 day at IC, may well be the man who is getting much more

out of living in London than 'the lads' in the Union bar, outdrinking each other.

SCIENCE— MINING and ENGINEERING STUDENTS

A similar trend to that above is found between students in the science faculties on the one hand and those in engineering and mining on the other. While the average science student is more active in his leisure, this activity is directed away from IC. Less likely to be at the Union bar, at the Saturday hops, or in IC social clubs, he is more likely to be on the sports field or engaged in a hobby, than his engineering colleague.

He spends considerably more time than others at concerts, cinemas, jazz and beat clubs and in London pubs.

ATTRACTIONS of the METROPOLIS

London, as a capital city, as a world centre for music, for theatre,

as an intellectual hub, must inevitably attract large numbers of students away from the smaller and more confined College life. An attempt was therefore made to establish the numbers of those who were 'IC orientated' and those who were 'London orientated'. 'IC orientated' was defined as he whose social life and interests were mainly centred on IC. That is of the total number of hours a week spent in a gregarious manner, he who spent the majority of hours at IC or in connection with an IC activity. It was found that about 26% of students were 'IC orientated' while 35% were 'London orientated'. IC therefore as a University College, suffers from its existence in the metropolis; but, what of the remaining 39% who could be classified into neither group? Presumably they are not, as has been suggested, inactive in every direction. FELIX could find little that they did with their time! Gaining little from the College, or the city, they might as well be in the wilderness of Sheffield or Durham!

THE LADS

Again the eagerness of the freshmen to look to IC appears, for 40% of first year men were 'London orientated', compared with the average of 26%. This can be partially explained by the fact that 'the lads' from the Union Bar while doing most of the organising of events in the College, nevertheless form a closed group from which most students are excluded. This fact probably discourages many from attempting to make the college scene.

APATHY and EFFORT

The question of responsibility of a member to his community arises. To put it more bluntly, are students responsible for their own social life in the College? Clearly, they are. Are we then to ascribe the general disuse of existing facilities to apathy? Not entirely—for Imperial College lacks several facilities which make the other University of London colleges attractive. One is the lack of women: single girls at IC are outnumbered by their male colleagues by at least 14 to 1, making IC an essentially male preserve. There is also the question of accommodation. The average student lives 3 miles from the College and requires over 20 minutes travel time to get to and fro. This fact must, together with the lack of women, discourage many from returning to IC in the evening.

What can be done to improve the state of students here? Clearly the greatest priority must be given to accommodation on the campus. For the most part, however, responsibility for improvement lies with the student himself. The University of London, despite its wide programme of cultural and social activities is almost totally disregarded by IC students. As for women, we have the Royal College of Art and numerous secretarial colleges next door. RCA girls are said to look down on us with scorn but their attitude can obviously be changed. It's your life—get out and use it!

WANTED



RICHARD HUNTER (21), a graduate (Economic History/History) of Queen's University, Belfast, now teaching at Bau Govt. Secondary School, Saraak.



ALISON POTTS (22), a graduate of St. Andrew's with a postgraduate Diploma in Librarianship, now working at Osmania University, Hyderabad, India.



ANDREW STONE (24), a graduate (English) of the University College of South Wales, now teaching at the White Nile Secondary School El Dueim, in the Sudan.



ANDREW SIMPSON (21), a qualified teacher from Loughborough College of Education, now teaching at a Secondary Technical School in Sierra Leone.

Replacements for the above

If you think that you can be of assistance, please get in touch with your nearest Appointments Board, or write direct to

Voluntary Service Overseas, 3 Hanover Street W.1

A Humanist-Jesuit ?

Members of Imperial College who were present at the first debate of the session will remember the reasoned arguments of Archbishop Roberts. Although he often engages in debate with humanists, as for example in a contribution to a series of articles in "Punch" last year, his views are not fundamentally opposed to humanism. He can be heard again at General Studies

on Thursday 9th. February, during Teaching Week.

Archbishop Roberts combines his Jesuit discipline with a radical approach to beliefs Christian. His moral courage rides above the restraints of his Church and his views on matters both sacred and secular are worthy of consideration.

LFJ

Joint Christian Societies

On the first Friday of term the first of a new series of lunchtime meetings arranged jointly by the Christian societies was held. A similar series held in previous years on Mondays clashed with a Christian Union meeting and it is hoped that the new time will lead to an increased attendance.

The Guild of St. Raphael is a fellowship for those who desire to work and pray for the restoration of the healing ministry of the Church. Its chaplain addressed the

meeting on the theology of healing. He set the question, in the context of theology as a whole, which he saw as being concerned with our knowledge of God from our own experience, aided by the insights of others. By healing we should understand that we are concerned with the wholeness of the complete person, not only bodily disease.

At future meetings the chaplains of the various societies will be speaking.

LFJ

at Metal Box some engineers become administrators others go on being engineers—

either way they find fulfilment and this is worth a great deal today

which is one reason why people who come to Metal Box generally stay. Here are some others:

MB 10-100

The Metal Box Graduate Training Scheme equips you to do a sound job almost anywhere, but it equips you to get to the top of Metal Box.

You assume responsibilities immediately you complete the appropriate training. And while your first appointment may not be a very high one it will be sufficiently important for somebody who is very senior to worry about how well you are doing it.

Metal Box does not discourage inter-department mobility. This means that it is possible for you to start in production and to go to research. Or start in research and

go over to the commercial side. In short you get the opportunity to find your metier by testing your ability against a diverse variety of problems—practical and theoretical, technical and administrative.

Metal Box don't believe in labelling people. In their view a science degree no more precludes sound commercial thinking, than an arts degree means one cannot comprehend technicalities.

With Metal Box you can work abroad without joining the brain drain, and return to the U.K. without feeling like an expatriate. Metal Box acknowledge ability in the way that matters most.

It's the largest packaging organisation outside the United States.

38 factories in Britain, 32 overseas... in Africa, India, Malaysia, Singapore, Jamaica, Trinidad and, more recently, Italy.

A fast growing light engineering and marketing organisation, that employs graduates as company administrators, factory and commercial managers, production engineers, research engineers and market researchers.

A research and development team of over 800 continuously-engaged in a wide variety of projects involving food technology, physics, chemistry and microbiology.



There's more to Metal Box than metal boxes

They're leaders in metal, paper and plastic packaging

The Metal Box Company Limited, P.O. Box 1 AN, 37 Baker Street, London W1 Telephone: HUNter 5577

IC JANUARY

WEDNESDAY 18
Anglican Eucharist. 8.30 Concert Hall.

Islamic mission week. Films on Turkey and Arab Countries. 19.00 640 ME.

Southside Stomp featuring 'Spencers Washboard Kings'. 20.00. Bar and Dancing. Jazz Club members 2/- non members 3/-.

THURSDAY 19
FELIX Staff meeting. 12.45. Press Room.

General Studies. The Moral Justification of Punishment, 2 Deterrence: Contemporary France, 2 Political Consequences of Social and Economic Changes. Gliding Club. 17.45 254 Aero.

Stoats Club Films. Rugby League, England v Australia 1958: World Record Mile: Look at Life. Free to Stoats, 2/- Others. 19.15 Snack bar.

Dancing Club. Beginners Ballroom. 19.30, Beginners Latin American 20.45 Upper Refectory.

FRIDAY 20
Christian Societies meeting 13.10 303 Mines.

Islamic Mission Week. Friday Prayer, 13.15 11, Princes Gardens. I.E.D. Reunion dinner 18.00 Upper Refectory. Tickets from Islamic, Arab, Pakistani and Turkish Societies.

YHA Weekend at Tyn-y-Caeau youth hostel. Leave Union 17.00. Folk and Square Dancing. 19.30 Snack bar.

SATURDAY 21
Party. Maths. and Phys. Soc. 20.00 Physics Common Room (Level 8). Men 2/- Women 1/-. Tickets from 432 Tizard.

MONDAY 23
Dancing Club. Beginners Ballroom 19.30 Beginners Latin American 20.45 Concert Hall.

Wells Soc. 'Memory' Prof. J.Z. Young FRS. 19.30 408 Elec. Eng.

Christian Union. 'The Devil'. Mr. Philip Booth.

TUESDAY 24
FELIX Staff meeting. 12.45. Press Room.

IC UNION MEETING. 13.15 Concert Hall.

General Studies. Points of Reference, 2 The Nude; The Rise of Modern Cosmology, 2 The Cosmological Problem: The World of Mozart.

Dancing Club. Intermediate Ballroom 19.30, Intermediate Latin American 20.45 Concert Hall.

WEDNESDAY 25
Anglican Eucharist 8.30 Concert Hall.

THURSDAY 26
FELIX staff meeting. 12.45. Press Room.

General Studies. The Moral Justification of Punishment, 3 Reform: Contemporary France, 3 Gaullist World Policy.

Gliding Club 17.45 254 Aero. After the Freeze. Arranged by IC Political Societies Council.

Speakers include:—Keith Joseph (Shadow Minister of Labour), Peter Bessell (Liberal Spokesman).

Dancing Club. Beginners Ballroom 19.30, Beginners Latin American 20.45 Upper Refectory.

WHAT'S ON

FRIDAY 27
Christian Societies Meeting 13.10 303 Mines.

Folk and Square Dancing. 19.30 Snack bar.

MONDAY 30
Dancing Club. Beginners Ballroom 19.30 Beginners Latin American 20.45 Concert Hall.

Witchcraft. Mr. C. Pennethorn Hughes at Wells Soc. 19.30 408 Elec. Eng.

Christian Union. Summer Activities.

TUESDAY 31
FELIX staff meeting. 12.45. Picas Room.

General Studies. Points of Reference, 3 Art and Christianity: Men Behind the Music, 2 Beethoven and the 'Immortal Beloved'.

Dancing Club Intermediate Ballroom 19.30 Intermediate Latin American 20.45 Concert Hall.

FEBRUARY

WEDNESDAY 1
Anglican Eucharist 8.30 Concert Hall.

THURSDAY 2
FELIX Staff Meeting 12.45 Press Room.

General Studies. The Moral Justification of Punishment. 4 Compromises.

Gliding Club 17.45 254 Aero. Dancing Club Beginners Ballroom 19.30 Beginners Latin American 20.45 Upper Refectory.

FRIDAY 3
Folk and Square Dancing 19.30 Snack bar.

ULU

JANUARY

WEDNESDAY 18
English Folk Dancing Society 19.30 Schol of Pharmacy, Brunswick Sq.

Tape Recording Society meeting. 19.30 Room 2G ULU.

THURSDAY 19
Christian Science Organization. Testimony Meeting 20.00 Room 3A ULU.

Folk Song Club. 'Redd Sullivan' Members 2/- non members 3/6. 20.00 Middlesex Hospital Medical School, Cleveland St. W1.

FRIDAY 20
Film. Soc. 'Anatomy of a Murder' 19.15 ULU.

TUESDAY 24
North America Club. Coast to Coast film of Canada. 19.30 ULU.

WEDNESDAY 25
English Folk Dancing Society. 19.30 School of Pharmacy Brunswick Sq.

THURSDAY 26
Christian Science Organization. Testimony meeting 20.00 Room 3A ULU.

FEBRUARY

WEDNESDAY 1
English Folk Dancing Society 19.30 School of Pharmacy Brunswick Sq.

THURSDAY 2
Christian Science Organization. Testimony meeting 20.00 Room 3A ULU.

Folk Song Club. 'Valerie Anne Lawrence: Jon and Shaw' Members 1/3 non members 2/6. 20.00 Middlesex Hospital Medical School, Cleveland St. W1.

FRIDAY 3
Film Soc. 'The Exterminating Angel' ULU.

Advertise Free

YOU CAN advertise free of charge in Felix, subject to certain conditions. Our WHAT'S ON column is open to everyone at Imperial College, though particularly to club organisers, to advertise events to which any student of IC may go. Private individuals may take advantage of this service only at the discretion of the editorial board, under whose scrutiny all wording must pass. Please address to What's On, delivered to the Felix pigeonhole in the Union rack by Tuesday week before publication.

Sunday Church Services

Baptist 11.00 and 18.30 Bloomsbury Central Baptist Church, Shaftesbury Ave. WC2.
C. of E. St. Augustine's, Queens Gate 9.00 Eucharist, 19.30 Evensong.
Methodist. Services 11.00 and 18.30 Hinde St. Methodist Church, Manchester Sq., W1.
Roman Catholic. Little Oratory, Brompton Rd. 19.30 Students' Mass.

UKAEA

have
OPPORTUNITIES
in 1967 for
GRADUATES

in
CHEMISTRY
ENGINEERING
(CHEMICAL, ELECTRICAL, MECHANICAL)
MATHEMATICS
METALLURGY
PHYSICS

for
RESEARCH
DEVELOPMENT
TECHNICAL
MANAGEMENT



A wide range of careers for men and women taking RESEARCH or HONOURS DEGREES in 1967 is available in the Establishments of the United Kingdom Atomic Energy Authority.

There are posts for Graduates with PASSs or ORDINARY DEGREES.

VACATION STUDENTSHIPS are awarded at most Establishments to Undergraduates (normally those in the penultimate year) seeking appropriate experience.

Further information may be obtained from your Appointments Board or by writing to the UNIVERSITY APPOINTMENTS OFFICER at one of the following addresses:

UNITED KINGDOM ATOMIC ENERGY
AUTHORITY

Production Group H.Q., Risley, Warrington, Lancashire. (For all Production and Engineering Group Establishments)

Reactor Group H.Q., Risley, Warrington, Lancashire. (For all Reactor Group Establishments)

A.E.R.E., Harwell, Didcot, Berks. (For all Research Group Establishments)

A.W.R.E., Aldermaston, Berks. (For all Weapons Group Establishments)

Radiochemical Centre, Amersham, Bucks.

NICK BARTON LEADS TEAM I.C.



Nick Barton, in his earlier days, running for Kings College Cross-Country team.

COMMENT - FICTION NO LONGER

AT LAST WORK has commenced on the college's sports centre,—I say at last because many people were beginning to wonder if it would ever become a reality. Talk of the building was in circulation when I first came to college, and that was five years ago. The main delays seem to stem from finance (a not unusual story), but also from planning troubles. The plans themselves were ready in 1963, and the space has been there for quite some time.

Nevertheless work has begun, so we should be thankful that it would probably prove difficult to justify an academic establishment having such facilities. The future college sports facilities should be extremely good, with Harlington already one of the best sports ground in U.L. The opening of the centre should prove a great help to a number of clubs who have been forced to look all over London, for help in getting the use of spaces. The Rifle club will soon have a home of its own,—originally they used a range below the old Guild's building. The Swimming club will now have a pool, together with the Water Polo and Under Water Swimming clubs.

As the college is right in the middle of South Kensington, we should consider ourselves lucky to get the land, let alone the money. So let's hope that the work is finished on time, unlike South Side, and that the users of the building treat it with the respects it warrants.

A. Robins

ON SATURDAY, December 10th, an incredibly soggy Parliament Hill course was the scene of the U.L. Cross-Country Championships. The I.C. club, who are having their most successful season for many years, expected to be in the running for second place, and hopes were high before the start. The competition was made keener by the fact that the race also functions as the I.C. Championships, and there was much friendly rivalry between members of the constituent colleges. Furthermore, Mines were determined that R.C.S. should not have their usual walk-over and were fielding a very strong team—including Nick Barton, a former British junior miler and Kings College student; Tony Mason, a first year Minesman of great ability; and "old lag" Howard Smith, last year's IC Champion.

The race started fast but soon slowed down to become a long battle against the slippery conditions. After the first lap Barton was lying second, and in that position he finished 43 seconds behind Pete Yates of U.C. The overall result gave IC 1st team, third place, only 4 points behind L.S.E.; and therefore a share in the trophies. Mines successfully carried off the college title with the help of Franklin, an unknown as far as the cross-country club was concerned, who ran in 26th position.

The success of the club this year is mainly attributable to the keen and capable freshers. Besides those already named, special mention should be made of Chris Macosko (U.S.A.), who was IC's 5th man, and Alan Mowat (8th man).

SPOTS BOILS PIMPLES



DO THEY
SPOIL
YOUR FUN?

Read now what people say about Mascopil—the tried and tested formula used by thousands!

"After only one supply of Mascopil the spots have virtually gone. It's lovely to go out and mix with people again..."

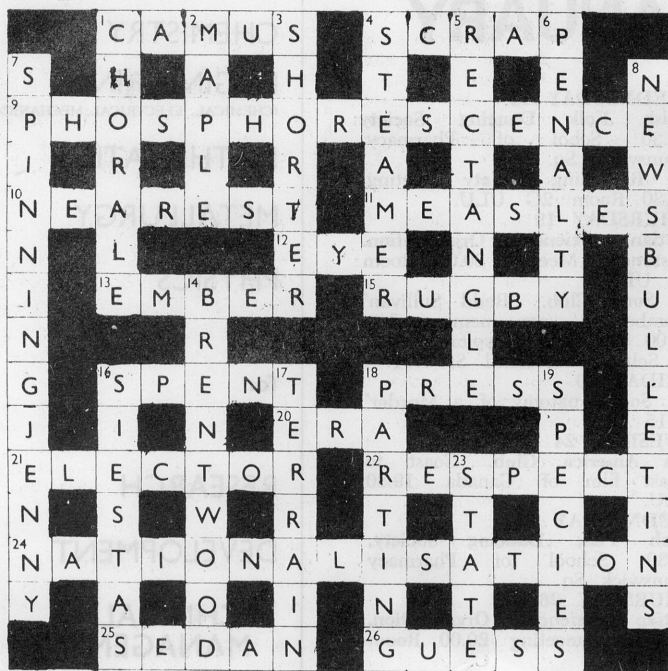
F.P. of Norwich
"...at last something that actually works."

A.J.P., Radley College
"...my face was a mass of spots but they have almost gone now".

C.C. Enfield
You too can enjoy Mascopil Treatment. Just swallow two tiny pills a day—what could be simpler.

For a descriptive leaflet and a 30-day treatment just send 8/6 (post free) to:—

CROWN DRUG COMPANY
Dept. FE, Blackburn,
Lancashire.



Solution
to
Crossword
No. 239

Entries are invited for the FELIX Crossword Competition. A prize of 10/- is awarded for the best entry for each issue, the entries being judged by the FELIX Editorial Board and its decision is final. The right is reserved to hold over any Crossword if there is insufficient space in any issue.

AT LAST THE SPORTS CENTRE IS STARTED

Work has now begun on the new Sports centre which will occupy the site formerly known as 1-7 Princes' Gardens, but what will it include? When will it be finished, and who is going to run it? These are some of the questions which FELIX thought should be answered and so inquired into them.

The Sports centre will contain four squash courts, one 75 foot rifle range with a two tier firing point and a swimming pool of length 82' 6", breadth 40' maximum depth 11', minimum depth 4'. The pool will also be fitted with a three metre spring board, a three metre fixed board and a one metre spring board.

The ASA were consulted on the dimensions of the pool and advised against a metric pool. There will be seating round the pool for eighty people, and limited standing room.

PLANS COMPLETED 1963

The plans which the centre is being built to at the moment were completed in 1963, and although since then there have been some modifications, they have not entailed any reduction in the facilities to be afforded. The delay in starting to build has been due mainly to procedural matters (budgeting considerations, curtailments of public finance selective employment tax etc) and not to any building or planning problems. The centre is now expected to be finished in June 1968.

On being asked whether he thought a gymnasium should have taken priority over the four squash courts, Ray Phillips, Chairman of the Athletic Club's Committee, disagreed. He said, accepting the need for a swimming pool, a reasonable sized gymnasium could not be built on the site available in Princes' Gardens. Also the present gym, if used efficiently, is adequate and will probably be adequate in the future taking into account the declining interest in sport at IC. He emphasised that the sports centre is just the first stage in the development of sports facilities on the campus and that it only seemed right to give priority to those clubs which had lost their facilities. There was the squash club, which lost its courts to the Chemical Engineering Department, and the rifle club which lost its range to the new Biochemistry block. When asked whether the tennis club would receive any new courts anywhere he said that efforts had been made to find new courts for the tennis club, a plan to convert Princes' Gardens into tennis courts had been rejected and the Natural History Museum had turned down a request to use some of their grounds for tennis courts. Mr Mee, the Assistant Development Officer, said that a plan to make tennis courts on the top of Southside Halls had been rejected as there are too many projections on the roof, such as lift shafts, ventilations etc. A 'Steering Committee' has been set up to look into possible ways of running the Sports centre, and held its first meeting on December 6th. Ray Phillips said, after the first Committee meeting that it is hoped to appoint a Sports centre Manager, who will probably be a young diploma of Loughborough, by the beginning of next session. The Sports centre will probably be run by a sub-committee of the Athletic clubs committee and will have a constitution much the same as the present Athletics Grounds Committee. The 'Steering Committee' will meet again consider the proposals further, after members have visited Liverpool and Cambridge to see how the sports facilities there are run. Mr Mee has already visited Sheffield University where there is an enormous new sports centre and learned a great deal which can be applied to the sports centre at IC.



The foundations of what will become IC's sports centre—completion is expected by June 1968.
Photograph by D. Ormiston

Speaking on the general running of the Sports centre Ray Phillips said the swimming pool will probably be open from 9 am. to 9 pm Monday to Friday and 9 am to 6 pm on a Saturday, though much of this time would be specifically for certain clubs.

Two of the squash courts will also be for team use only, and two for general use. The rifle range will be for club use only. Some of these proposals may be modified when a manager is appointed if he has any improvements to make. The Centre will have a staff of seven people:—one Sports Centre Supervisor (Manager) two pool attendants, two basket room attendants, and two porters. At the moment it seems likely that admission to the pool will be similar to that at ULU where a sixpenny turnstile operates.

The next stage in the redevelopment of Princes' Gardens will be the demolition of 8-15 Princes' Gardens to make way for the Northside Halls. These will join with the halls which are to be built over the Sports Centre. The Sports Centre halls will house 224 men. After this a lounge 'Sports Hall' will be built behind the Northside Halls. This will be much more flexible than a gymnasium and it will be possible to convert it for indoor football, rugby, basket ball, and tennis as well as normal gymnastic activities. There will also be separate rooms for Judo, table tennis, etc.

This is all quite far in the future however, as two of the occupants of 8-15 Princes' Gardens have leases lasting until 1976. Thus work will not start on the 'Northside Halls' till at least 1976, and the Sports Hall will not be begun until after Northside is finished. There is no starting date fixed yet even for the halls above the Sports Centre and in fact UGC approval has not yet been received. Anybody still at IC when Northside is finished should be old enough to be Warden!

David P. Sullivan

FOOTBALL - SO FAR

WITH HALF THE season past the soccer club have three teams left in the two league cups—the 7ths played their game against West Ham and lost 5-2, at the third attempt. The fourth eleven are very near the top of their league, and of the rest... The cup games are to be played next Saturday:—

UPPER RESERVES' CUP

I.C. 3rds versus Q.M.C. 3rds (home),
I.C. 4ths versus U.C. 3rds (away).

LOWER RESERVES' CUP

I.C. 6ths versus either Goldsmith 3rds or London Hospital 2nds (home).

The 3rd I have played Q.M.C. in the league and during this match, which was unfortunately abandoned, I.C. played much the better football and were leading 2-0 when the game was brought to an end. They are above Q.M.C. in the league and should be in the semi-finals by Saturday evening.

The 4th, who are now challenging for the leadership in their league, beat U.C. 3rds 5-2 in a league game earlier this season, and with a win of 5-0 against Kings last Saturday, they travel to U.C. with high hopes. On form, they should find their way to the other semi-final.

Of the three teams playing in the quarter-finals, the 6ths seem to be most capable of reaching the Cup Final. Although they were taken to extra time in the last round a theoretically weaker team. The 6ths are stronger than most teams left in this cup and should record a good win on Saturday to enter the Semi-Finals.

However, one must wait and see whether these forecasts come true. The present state of the teams is:—

	P	W	D	L	F	A
1st XI	17	9	1	7	37	38
2nd XI	15	4	2	9	40	42
3rd XI	16	11	0	5	49	38
4th XI	18	12	3	3	79	34
5th XI	16	8	2	6	70	34
6th XI	11	4	1	6	33	37
7th XI	9	2	1	6	27	33

Leading goal-scorers are:—
B. Hall 27 (4ths), C. Perry 21 (3rds), B. Baker 19 (4ths).

KINGS ARE DEFEATED IN FIRST LEAGUE GAME

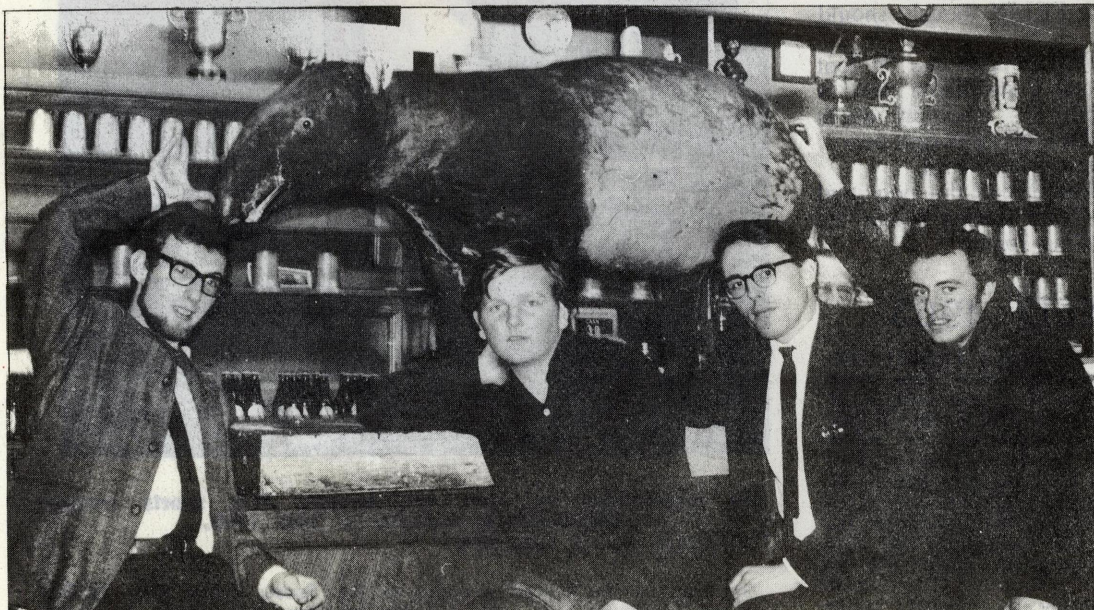
IN THEIR 1st match in the U.L.U. league IC beat Kings by 3 goals to 2. This was a good victory for IC, as Kings recently won the U.L.U. knock-out competition, in which IC were entered.

Kings opened the scoring in the second minute with a goal which was due to some poor marking by IC who were still somewhat disorganised. However, after this setback the College tightened and held Kings for the rest of the quarter. In the second quarter IC pressed hard and were rewarded with a goal by K. Ong, who beat the goal-keeper with a flick-on, while heavily marked. Kings then attacked and were kept from scoring by some good work in the IC goal, by G. Mills, and the first half

of the match ended with both teams level on one goal.

In the third quarter IC got on top and went into the lead when a Kings attack was broken up and Ong went through on his own and only had to put the ball past the top and went into the lead when goal-keeper. A couple of minutes later Ong completed his hat-trick with a shot from a narrow angle from the left wing. The fourth quarter saw IC on the defensive, content to hang on to their lead. This they did, even though Kings were awarded a penalty, which they missed. Towards the end of the game Kings pulled back one goal when IC had one player sent out, but from the ensuing centre IC maintained possession and emerged winners by 3 goals to 2, with high hopes of winning the league this season.

FELIX

WEEKEND
DEADLINEW.H.O.
Big Game Hunt

Above: Cornforth, Tapir & Co.
Right: Howard rides the Tapir.

Crime & Punishment

Punishment may be said to be deserved by the offender, or it may be said to deter or reform—each of these views will be examined in turn by Mr E.R. Honderich in his series of General Studies lectures. In the first of these he began by defining punishment and then defended his definition against various lines of attack. He then went on to consider the first of the three justifications of punishment—the doctrine of retributivism.

Arguing very lucidly, Mr. Honderich attempted to show that most arguments in support of this view are absurd and untenable. He destroyed the notion of equivalence between offence and penalty and also showed that the principle of equal treatment for equals, unequal treatment for unequals in the relevant sense, does not logically lead to a view that punishment should be imposed. If the criminal makes himself unequal in the relevant sense, the unequal treatment might be reward—and it does not even follow logically from this principle that unequal treatment need be initiated at all.

Mr. Honderich thought that the most forceful argument against this position consisted of the assertion that man should not be made to suffer unless good comes of it. He briefly stated the retributivist view of Hegel, but as this seemed to depend upon moral principles having a sort of existence, this seemed to him absurd.

This very striking lecturer, tall, trans-Atlantically-accented and clutching a fistful of beads concluded the lecture by perambulating himself round the lecture theatre inviting comments. So successful was this, that the chairman invited Mr. Honderich to deliver a shorter lecture next time.

L.F. Johnson

HALDANE LIBRARY
(14 Princes Gardens)

SPECIAL NOTICE

LONGER OPENING
HOURS now OPERATIVE:

TERM:
MONDAY-FRIDAY

(except WED.) 10.0-7.0
WEDNESDAY 10.0-5.30

VACATION

Mon-Fri 10.0-12.0
1.0-5.0

Published by C.C. Harrison for and on behalf of FELIX BOARD
Imperial College, London, S.W.7. and printed by WEST LONDON
OFFSET CO., 86, Lillie Rd., London, S.W.6. Tel.: FUL 7969

Last Friday morning the Wooden Horse Club effected the removal of the mascot of Northern Polytechnic & National College of Rubber Technology. The mascot is a rather tatty tapir (see footnote) answering to the name "Horace".

Several preliminary excursions to the College had made it obvious that Horace did not like his surroundings there—after all, how would you like to be chained up in a dingy Union lounge? This resulted in its removal to the rather more pleasant surroundings of IC.

The Club decided that the removal could most effectively be carried out during the first few minutes after the Union opened. Twenty Wooden Horse Club members duly arrived at 8.30 and enjoyed a cup of coffee in the Poly Cafe opposite, some even had breakfast.

The tapir was removed by cutting the case-hardened steel chains which used to secure it to a railing arrangement around him. The mascot was then transported, via an emergency exit, to a waiting van parked nearby. Unfortunately Horace was too big to fit inside the van while still attached to his stand, so this was carefully removed and sent back in another van. After posing for photographs in front of the College, complete with clocktower, which was two minutes slow at the time, the successful mascoteers returned to IC.

Horace was later displayed in the bar and seemed to take an instant liking to Howard, as the picture shows.

The mascot was not damaged during the raid and the first clue has already been set, so, if Horace is to be returned to its owners it seems they have got to do a bit of detective work.

Apparently, stuffed tapirs are relatively rare items these days and we are informed that the Zoology department does not possess one. It seems a pity that it has got to be returned.

A tapir is a distant relative of the elephant and looks rather like a long-nosed pig. They live in Malaysia and some parts of South America and are believed to be vegetarians.

SMALL ADS

FELIX will accept SMALL ADS from 8d. per line. For details apply to adman Robin Hall c/o FELIX rack.

LOST LAST TERM BY R.N. CORNFORTH, Room 49 Old Beit, Green loose leaf folder with GPO on back and front, containing lecture notes.

Two respectable Icwarians seek lift to Southern Europe (or similar sunshine) and back, during summer vac., sharing costs.
Box 241.

FELIX LATE NEWS

Wednesday, 18 January 1967

Editors: Stewart Barnes
Alan Saunders.

Crossland at I.C.

A movement is afoot in I.C. to get the question of a joint union with the Royal College of Art brought out into the open. One of the main objections to this has been one of finance. R.C.A. is not financially part of London University. But the Minister of Education told me today that this was no problem. He quoted Brighton's joint union for university, college of education and technical colleges. He suggested reference back to him of such problems came up.

Andrew Jordan.

For 'eagle' - read 'Teddy Bear'

The girls of Battersea College of Education's Domestic Science Department claim that their mascot is an orange teddy-bear named Fritz and not, as was reported in a past issue, an eagle. This bear made its appearance during the interview and allowed us to take photos.

Professor Matthews at the H.G. Wells Soc.

A specialist talking on his own subject to a lay audience can be exceedingly boring. As a consequence, Prof. Matthews is to be congratulated on his lucid and highly informative talk to the Wells Soc. last Monday.

In an easy to follow style, Prof. Matthews outlined the history of sub-automatic physics from the days of Rutherford to the omega minus particle, the recent experimental observation of which is taken to establish the Unitary Symmetry theory.

This theory is in many ways similar to early ideas on the periodic table. In each case families of particles (elements) were built up. Also the theories have predicted the existence of other particles (elements) with their properties. The subsequent discovery of these is regarded as the justification of the theories.

Over coffee afterwards Prof. Matthews answered questions from the interested members.

K. Simpson.

Surrealism in Photography

Photosoc's lecture on Monday was one of the most stimulating yet - the speaker was a professional photographer, Mr. Pereira, and the work he showed, in the form of slides, was a highly impressive collection of surrealist colour montages. His work, he said, was mainly commercial - he stressed that his first object was money, but the techniques he used were very advanced by normal commercial standards. He does all his own darkroom work and a large number of his pictures have appeared on record and book covers.

N. Shindler

Sunday night sessions

Sunday night jazz sessions are to start again this Sunday. The duty officer will be responsible for keeping the noisy element under control.

Wooden Horse

The Wooden Horse Organisation is appealing for information regarding the whereabouts of mascots in other Colleges. If you have any information please get in touch with us via the Felix rack in the Union.

BBC 2 visits Elec. Eng.

A BBC film crew visited T.C. yesterday to take general shots of Electrical High Block to be used in a BBC 2 thriller serial entitled "The Paradise Makers".

The film's theme is the ever recurring one - Spying. It appears that MI 5 is suspicious of the activities of a large British Company - "Independent Science Corporation". This leads to them sending someone (Michael Bryant) as an investigator into I.C.S.'s affairs.

Lost anything?

If so check with the Security Officer or your property might be sold in aid of carnival.

Treble Result

The winner on 14th January was card No. 1078. The holder will thus receive £7 10s. 0d.

F.J. Morris
(Pool Promoter)

Sir,

As many people will know a fund was set up to help Vietnamese orphans, as a result of a series of articles in the Guardian last summer. This is chiefly a Fund organised by the British Universities to raise money from staff and students.

A meeting is to be held on Friday at 1.15 p.m. in the Upper Lounge in order to arrange an I.C. collection, to which all interested people, staff and students are invited. I hope that your readers will aid us in our organisation by turning up.

Malcolm Duckett

Small Ads.

TAKEN FROM CAR (Southside car park) Sat. Jan 7th: Bag - contents included:- Books, expt. results etc., Lecture notes, VERY IMPORTANT. Please return. No questions, arrangements.

WAIVED: Copies FELIX issue 5th October 1966: will give 8d each:
Mail c/o FELIX

WHAT'S ON

Thurs 19th Jan. I.C. CONS. SOC. Guest speaker - see Notice Board
Wine and Cheese Party.
Joint with Bedford

Wednesday 18th and 25th: Underwater Club baths session at Marshall Street baths 7.30 - 8.30 p.m. Transport leaving Union 7 p.m.

Thurs: 19th Jan: Rover Crew - Films on London Transport - 12.35 Mines 303

Sat. 21st Jan: R.C.S. Astrosoc visit to Planetarium. Be there by 2.45 for 'Journey into Space'.

Wed. 25th Jan: L.U.C.A. Peter Walker Esq., M.P.
7.30 p.m. at U.L.U.

Thurs. 26th Jan: Pol. Soc. Council
Forum - After the Freeze

Rover Crew - "Guide working Party" with Eileen Hardy.
12.35 Mines 303

Fri. 31st Jan: I.C. CONS. SOC. Lunchtime Discussion Group

Thurs. 2nd Feb: Rover Crew - Visiting King's College Rover Crew
Evening Meeting

At Queen Elizabeth College:

Sat. 28th Jan: The Gass & The Mooche