



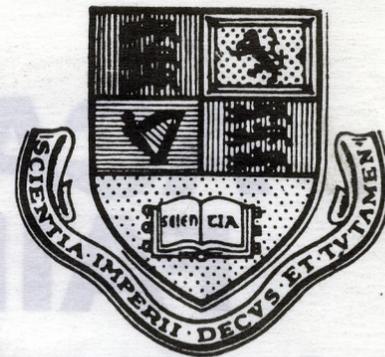
FELIX

NEWSPAPER OF THE IMPERIAL COLLEGE STUDENTS UNION

No 264

WEDNESDAY, 2 OCTOBER 1968

PRICE 4d



FUZZ BUST HASH



The recently completed Sports Centre

SPORTS CENTRE DELAY

The new Sports Centre on the north side of Prince's Gardens, originally due to have been open at the beginning of this session, has been beset by misfortune. The swimming pool and rifle range will not be open until next Monday. The squash courts have been beset by even more misfortune and will not be open until the start of November.

Flooding

The cause of the delay is principally a failure of the controller valves of the heating system. These suddenly gave up the ghost and the engineers had to be called back in to deal with them. During the same outbreak of rain that caused the chaotic flooding in South-East England, part of a sewage main was overburdened with the flow and pools of water appeared on the squash courts. Consequently the floors of these have to be relaid. Mr. Stephenson, Senior Warden and chairman of the Sports Centre Steering Committee also said that there was trouble in securing messengers, but this would not delay the opening.

Hot Air

When the heating plant is functioning properly the swimming pool will even have hot air circulating around it.

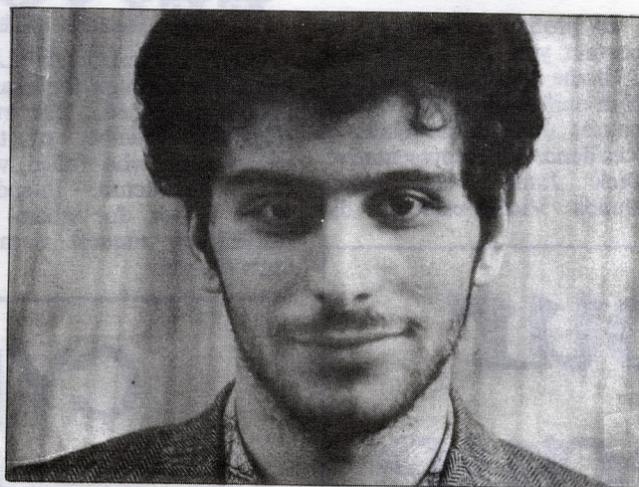
There will be three attendants for the pool (not all working at the same time), under the charge of Mr. Spooner, a member of 1956 Olympic water-polo team and ex-baths superintendent at Wolverhampton and Llanelli.

The inside story of the sports centre is contained in the President's column on Page 7.

U.G.C. Stop Building

In August the Government (through the University Grants Committee) put a six month stop to all University building for which contracts have not yet been signed.

When asked by FELIX about the effect this would have on IC, Mr. M. J. Davies, the Secretary of the College, said that as no major financial projects were about to start during this period the immediate effect would not be serious. However, he did not know what the long-term effect might be.



Adolf Hashteroudian

RAY PHILLIPS SUB-WARDEN

This summer, Ray Phillips, last year's President, was appointed sub-warden of the Student house. While this post was not mentioned in the report which was used as a basis for setting up student houses it seems a very good idea.

The possibility of such a post first arose out of discussions between Mr. Minton, then warden of Garden Hall, and Dave Harris, the warden of the student house. (Dave was appointed by Ray Phillips and the Rector at the beginning of last session.) Garden Hall had many of the discipline problems that it was anticipated might occur in student houses. The idea received official approval in February, and at about that time a vague mention of it was made at a Union Executive meeting.

Joint Council

On the 12th June, Ray was officially appointed sub-warden on the recommendation of Dave Harris with the approval of the Rector. This was only three days after Joint Council when it had been decided that the war-

dens of student houses should be approved by Council. Ray Phillips has since said that it never occurred to him to mention the post of sub-warden, and Dave Harris seems to regard the post as entirely the business of the warden and says that Council did not seem interested in student houses anyway. Ray now admits that the circumstances under which he was appointed look a little fishy, but agrees with Dave that Council was apathetic on the subject.

Uninformed

Rex Lowin, this year's President, who was Welfare Officer last year, said that he was told that student houses were none of his business. He now regrets not keeping himself well abreast on developments on this front.

Ray describes his job more as a senior resident, as the only perk he gets is a slightly better room than the other residents. He says that his presence is necessary because fire regulations would otherwise make it impossible for Dave Harris and his wife to go out.

Vice President fined

RCS Vice-President Javad "Adolf" Hashteroudian was arrested at the last big Vietnam demonstrations on Sunday, July 21st, and subsequently fined £25 and given a three months suspended sentence. The following is an account of what happened, as told to FELIX by Hashteroudian.

He was taking part in the demonstration in Park Lane (where a lot of damage was done by demonstrators) and was amongst a lot of other people, some of whom were throwing stones at policemen. When the police charged he was writing poetry and did not run off when the rest did. He was arrested for allegedly throwing stones at the police and the arresting officer hit him on the back of the head with his truncheon.

On 30th July he was remanded on bail again until 10th August when he was once again remanded until 4th September. He was told that other charges might be brought against him as well as the one of assaulting a police officer, but in fact none were.

The day before his case went before the Magistrate's Court his barrister advised him to plead guilty on the grounds that the magistrate would almost certainly believe the police. He agreed to this as long as he did not have to say anything.

Hearing

At the hearing on September 4th, the arresting officer was not present in court and another policeman read a statement written by him. The police claimed that Hashteroudian had thrown a stone which hit the policeman on the shoulder but did not hurt him. When the police charged he ran off with everyone else. The officer had his truncheon out, Hashteroudian turned round and appeared to have a stone in his hand and was about to hit him. He ducked and aimed his truncheon at Hashteroudian's shoulder, who also ducked, so accidentally being hit on the back of the head.

Javad's barrister told the court that he had a good character and a good record as a student and was sorry.

He was given a sentence of three months, suspended for three years, a £25 fine and ordered to pay ten guineas costs.

No Bail

He was then taken with the rest of the people arrested to West Central Police Station and by the evening everyone except Javad and three others had been bailed out. His girl friend, having guessed what had happened, had gone along to the police station to bail him out but had been refused. Moreover, he was told that no-one had come.

Next day before going into court the policeman who arrested him told him that he would not oppose bail, but the police solicitor did oppose it on the grounds that he might try to leave the country (he is Persian). He was remanded for nine days and taken to Brixton prison, where he was kept alone for 22 hours a day with an hour's exercise and allowed two visitors each day. This appears to be standard treatment for all remanded prisoners.

Passport

Meanwhile Ron Bass, a friend of Javad, had found a solicitor, through the National Council for Civil Liberties, who was willing to take the case and Dr. Stephen Rose of the Biochemistry Department, a well-known opponent of research into chemical and biological warfare, had been contacted and agreed to act as surety for Hashteroudian. He was released on bail on the Friday upon surrendering his passport.

ACADEMIC FAILURES

The usual start of session vacancies in top Union posts have not failed to appear this year. For the second year running RCS has no President, although as the situation was caused this time by the withdrawal of both candidates for the post last summer—in the event neither has returned to College—the Union was able to appoint Jeff Warren acting President. Nomination papers go up for this post on Saturday and will remain up for a week. So far no possible candidates have been mentioned to FELIX.

Carnival

Probably consistently the worst record in the Union is that of Carnival co-ordinator. This is the third year running that the holder of this office has failed to return to College; this year as a change from the usual failure of exams or inability to secure a postgraduate course, she got married. For those who do eventually get landed with the

job it is rarely exam-wise an asset. The last two co-ordinators have failed their job. However, as last summer there seemed to be no shortage of people wanting the job, this should not be too hard for the Carnival Board to fill.

Ents

Next on the list of vacancies comes the Chairman of

Ents, where Pete Nicholls has been unable to take up his duties due to exam failure. Keith Guy, last year's Chairman, appears to be the only person both willing and able to carry out the job. This is another post with a very bad record of incumbents not appearing at the beginning of session.

Halls Rep

In probably the most important year for a long time with the opening of Linstead Hall and the first two student houses there is no Halls of Residence Representative. Dick James, last year's Guilds Vice-President, did

not manage to obtain a course for this year. Bob Fryer, last year's rep, has agreed to carry on the duties until a new one is elected. Most likely candidate is Spike Bantin who is currently living in Linstead.

External Affairs

The fate of the External Affairs Officer is at the time of writing not known. If Dave Wield does not succeed in coming back to College then an election will be held for this post at the first Union meeting of term on 17th October. At this meeting an election will also be held to fill the vacancy as a floor rep on Council, created by Jane Pearson's elevation to Secretary.

FELIX

On the home front, FELIX has come through the exams almost unscathed. The only scheduled member of this year's staff who failed was Dick Middleton, intended News Editor, for whom we respectfully request a minute's silence.

DRAMSOC IN HOLLAND

The Dramatic Society toured in Holland this vacation, taking "Roots" by Arnold Wesker. The play, produced by Colin Harrison, was rehearsed in London during the first week of September and had a small invited audience for its final dress rehearsal.

Encouraged by the response of the "guinea pigs," the set, props and costumes were squeezed into a Ford Transit van, except the tin bath which had to travel on the roof, and three people departed with it "to Holland or Bust."

The other eighteen members in the group travelled by night boat into alcoholic oblivion . . . and Holland. The first performance was given at a University Graduates Club in Eindhoven. The next performance, at Utrecht, was the second night of "Motion Week," organised for new students of the University. We were invited to attend the opening night of motion week, which was a concert by the

Utrecht Symphony Orchestra.

We then moved to Rotterdam and, quickly adapting the play for "theatre in the round," gave the third performance to our most friendly and appreciative audience. During our stay, we took over a student club till the early hours, where we celebrated our successes boosted by a bottle of "Bolo" which we had been given.

Our last performance was given to students of the Institute of Dramatic Art in Amsterdam, whose appreciation we valued greatly. After examining the finer points of nightlife in Amsterdam, twenty one tired but triumphant students arrived home, despite British Rail.

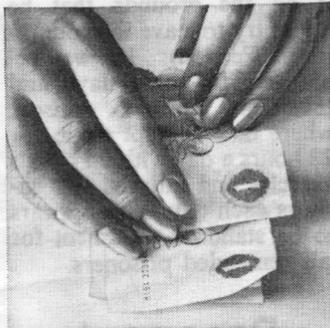
Our thanks are due to the Netherlands-England Society for arranging our stay in Holland, and I would like to thank and congratulate all members of the party for a very enjoyable show.

PETE HARRIS
President (ICDS)

Bring your grant cheque to the Midland

Use it to start a bank account with the Midland. Then we'll very quickly give you a cheque book with which to draw cash or pay bills.

It's nice to know your money is absolutely safe. But a bank account with us promises you something more. A chance to budget your money each term; and the right to go to your



bank manager for advice — and help — on your finances. *And while you're a full-time student, you won't be asked to pay a penny in charges, provided you keep your account in credit.*

Give your local Midland manager a ring — his number is in the 'phone book — or go and see him about opening an account. *Do it now.*



Midland Bank

CYBERNETICS AT I.C.A.

Probably the nearest thing to a true fusion of the Arts and Sciences which can be seen in London at present is the "Cybernetic Serendipity" computer art show at the Institute of Contemporary Arts on the Mall.

The exhibition attempts to present as many artistic possibilities in today's technology as possible and has exhibits ranging from the old harmonograph to music composed by or with the aid of computers; from robots which can sense one another's presence and move accordingly to "do it yourself" patterns on a television screen produced by moving a strong magnet near to it; from exhibits where the frequency or intensity of sound in the vicinity affects a visual pattern to poetry produced by computers.

Pendula

A fairly long (and for most scientists tedious) explanation of what cybernetics is appears just inside the door. Quite why there is this preoccupation with the cybernetic angle is difficult to understand, as probably only about half the exhibits really owe anything to cybernetics. The other exhibits seem to depend on random number generation by computers to other random processes, or work on the harmonograph tyre principle which, once it is set going . . . just produces a predetermined pattern, or react to external stimuli rather than auto-stimuli. However this is a minor point. A more serious criticism is the number of harmonograph-type machines all producing those regular geometric patterns. True they don't all have those two pendulums rocking the table and pen, but range over a great range of sophistication

through a Meccano once driven by electric motors made by ex-I.C. student Roy Allen, to an IBM computer and Calcomp plotter.

Lectures

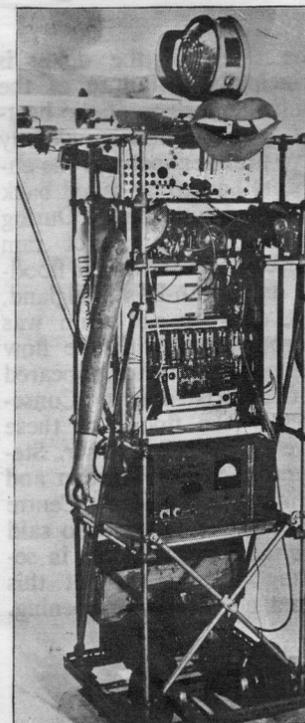
Despite these criticisms the show is well worth visiting whether you are more interested in seeing computers, pretty patterns, things going round, "art" or whether you like pushing buttons to see what happens. There can have been very few art exhibitions at which a scientist can feel so at home (and possibly even at an advantage). Cybernetic, computer, or whatever you like to call it, art is still very much in its infancy but it seems likely that it will become an important part of science and engineering (and vice versa) before long.

A series of lectures is being given along with the exhibition on the relationship between science and art. For

details of these see one of the posters around the College.

Cybernetic Serendipity is on at the ICA gallery (at the bottom of the Duke of York steps near Piccadilly Circus) until October 20th, open Tuesday—Saturday, 11 a.m.—6 p.m. and Sunday 2—6 p.m. Admission is 8s. non members and 4s. for members.

DAVID COOPER



ROSA BOSOM
- Robot actress at ICA

BURGLARS AT STUDENT HOUSE

A cloud of mystery seems to be surrounding the petty larceny perpetrated at the student houses during the summer vacation. I cannot fix the date better than that since nobody seems able to tell me exactly.

referred on — the Security Office this time. They could add nothing and went on to say that nobody ever told them anything anyway. Naturally I was sent on to the student house caretaker but I haven't found him yet.

There's little more to say except that one of the above mentioned (I can't remember who now) murmured something about not being able to say exactly what was stolen until all furniture, blankets, etc., had been distributed to the occupants and until they in turn complained about that which they lacked. Which reminds me, I haven't unpacked my furniture yet.

KEITH ROWAN.

I first went to Dave Harris, the warden of the houses, who said he could do little more than refer me to the domestic bursary Mr. Seaford. There I was told that apparently only blankets had been stolen (the thieves broke through six doors to get to them according to Mr. Seaford but that the insurance covered their cost anyway.

Once again however I was

COMPUTER

There seems to be some doubt about the capability of the College's projected new computer system to handle the expected increase in computer time that will be needed in the early '70s. At present the College has an IBM 7094 which is on loan from the makers until November 1969. By that time the College will have a CDC 1700 link to London University's CDC

6600. Some of the computer staff have serious doubts if this will be sufficient for the College's future needs even if it has 60 per cent of the available time. Should these fears prove well founded another CDC 1700 may prove necessary, though even the most pessimistic would admit that a "wait and see policy" is best, as such a system had never been employed before.



Linstead Hall

FAULTS IN LINSTEAD HALL

Linstead Hall is at last open. At the beginning of July people started to move in and immediately they began to discover that things were not running too well. Most of what was wrong seems to have been caused by carelessness in finish. One room was flooded when a tap became separated from the pipe and the showers seem to be temperamental.

Complaints

These small things are usually encountered in a building of the size of Linstead Hall. None of the complaints put in the complaints book have been of a major nature. The budget for the furnishing was £150 per room compared with £185 (or thereabouts) in Southside several years ago, so the rooms may appear a little spartan in comparison. Generally the finish in the £300,000 building is better than in Southside so when the towel rails eventually arrive the residents will have little to complain about.

up with in such a relatively underinspected thing as a building. In a Viscount aeroplane, the lock in the lavatory door costs £35; if such locks were fitted all over Linstead, there would have been little money left for furniture, so one has to put up with teething problems instead. On the whole, he is quite happy about his new domain, but wants to wait till Christmas before forming a firm opinion.

Warden's View

The warden, Mr. Paul Minton, says that such things as stiff locks and loose doors are things that one has to put

DARTS

After having so much success with his darts competition last year, Gus will be holding another darts competition this term in the Union Bar for the Fremlin's Silver Tankard. All budding darts players should not miss this event. Gus will also be holding competitions for the bar race trophy.

JOSEPH E. LEVINE PRESENTS A MIKE NICHOLS - LAWRENCE TURMAN PRODUCTION



This is Benjamin He's a little worried about his future

THE GRADUATE

STARRING

ANNE BANGCROFT AND DUSTIN HOFFMAN · KATHARINE ROSS

SONGS BY

PAUL SIMON SIMON AND GARFUNKEL

PERFORMED BY

SCREENPLAY BY

CALDER WILLINGHAM AND BUCK HENRY

PRODUCED BY

LAWRENCE TURMAN

DIRECTED BY

MIKE NICHOLS

TECHNICOLOR® PANAVISION®

United Artists
Entertainment from
Transamerica Corporation

ACADEMY AWARD WINNER—BEST ACHIEVEMENT IN DIRECTION MIKE NICHOLS

ON GENERAL RELEASE FROM OCTOBER 20th

AT PRINCIPAL



ODEON

AND OTHER IMPORTANT THEATRES

HEATHEN THOUGHTS

— editorial

Listening to John Peel with the incessant chatter of typewriters in the background is perhaps not the best environment to write an editorial in, but it's better than wracking one's brain in the solitude of a bare Hall room. Getting back into the routine of writing FELIX is hard, but not as hard as the jobs several people in the Union have to do this year. The Union Executive and Union Council, those supposedly ubiquitous bodies with their fingers, one hopes, firmly on a £20,000 purse and their thoughts at one with the rest of us plebs, have a great burden of responsibility to bear. One hopes Council will not be rent by the internal dissension which raged in it last year. This year we have two experienced people as President and Secretary and, at first sight, what seems to be, for the most part, an efficient body of council members who should work well together. But—the proof of the pudding is in the eating and Council will be judged on what it does and not what FELIX says about it beforehand.

It helps, of course, if the hierarchy of the Union is friendly and approachable which brings us to what could again turn out to be the magic word of the year—COMMUNICATIONS. Communications, as FELIX defines it, is the art of letting everyone know exactly what's going on. In previous years, very few people outside the inner circle have known what the inner circle is doing or thinking about and this is bad because people become disillusioned and lost interest in the Union. This year Rex Lowin and Jane Pearson seem to be tackling the problem with determination (read their profiles elsewhere in FELIX for a few details) but they cannot succeed unless we try to take an active interest in the affairs of ICU. Reading your FELIX will help to keep you informed but to get your views across really means going up to Union officers and talking to them. £4 a year is paid to the Union on your behalf. Would you invest £4 on the Derby without having some say which horse it went on?

To turn from taking an active interest in student affairs to taking an active interest in some of the affairs of the community as a whole, let us look at the work done by the Organisation for Social Service. In this issue Dave Chant describes some of the activities of this College society in helping the aged and infirm in districts around the College. Dave Penfold gives a wider description in the Union handbook. I can't help thinking that the social service OSS undertakes does more immediate good than a score of marches and demonstrations on Vietnam. This is not to say that peace demonstrations are not a valuable way of expressing our opinions on the suffering caused by war the world over, but a student fight on poverty in this country might help the populace to think our hearts are in the right place and to listen more readily to our views on other matters.

Having got all that off my chest, let me fit in a quick plug for FELIX. FELIX needs people with ideas, people who can write or take photographs and people who are just keen to help. Just come along and see us if you think you qualify.

FELIX

Imperial College
London, S.W.7
Internal 2881
Tel. KEN 2963

EDITOR: PAUL HEATH

Asst Editor: Mary Ford	Production Manager: Vacancy
News Editor: John Sommer	Photographic Editors: John Langley and John Rogers
Features Editor: Pat Rotheram	What's On Editor: Vacancy
Sports Editor: Bob Pine	Art Editor: Keith Rowan
Business Manager: Chris Slee	Duplicating Service: Vacancy
Late News Editor: John Probst	With: Colcutt, Dave Cooper, Dermott Corr, Ken Simpson, Malcolm Williams, Caroline, Patsy, Sally, N. Lobachevski
Advertising Manager: Pete Chapman	
Circulation Manager: Dave Chant	
Secretaries: Vacancies	
Advertising Agency: J.E.P. and Associates. Tel: 01-353 3712	

JOHN BETJEMAN, on the Imperial Institute

In this article, John Betjeman, poet and expert on architecture, talks about the old Imperial Institute which was planned as an integral part of the South Kensington architectural scene. John Betjeman played a prominent part in the fight against the demolition of the Institute.

The Imperial Institute in South Kensington was built between 1888 and 1891. It was subscribed for from all over the British Empire, and private soldiers in India paid for the bricks. For this reason bands of bricks were given great prominence and used in the Portland stone exterior as though they were of rare marble. The architect of this fine uninhibited building was Thomas Edward Collcutt, 1840-1924. Collcutt had been a draughtsman in the office of G. E. Street, the famous Gothic revival architect, who designed the Law Courts in the Strand, and inspired his pupils, William Morris, Philip Webb and Norman Shaw, who were much concerned with the arts and crafts movement of late Victorian times.

Collcutt himself in reaction from the Gothic which was fashionable when he was a young man, designed one of his first big public buildings, the Town Hall at Wakefield, in a renaissance style of his own. This was further developed in the Imperial Institute, which owes something to Spanish renaissance, but is really what might be called, the Collcutt style. Inside, it had suggestions of English Jacobean. Collcutt resembled the Gothic followers of Street in designing all the fittings for his buildings, as well as the building itself. He designed furniture, stained glass and light fittings. The most splendid example of his interior style, still surviving in London, is the interior of Lloyd's Registry of Shipping in Fenchurch Street (1900) with its stair, library and boardroom, and Brangwyn and Frampton paintings and carvings. He also designed the Palace Theatre and the Midland Bank on Ludgate Hill.

MUSEUM COMPLEX

The Imperial Institute is the heart and centre of the great complex of buildings in the Museum district of South Kensington. It was thought of as a permanent record in lasting material of the British section of the Great Exhibition of 1851.

Its tower is in line with the Albert Memorial, the centre of the Albert Hall, and was to be seen between the two main towers of the Natural History Museum. This museum district was the most complete example of planned public architecture, in the most confident and prosperous time of our country that we possessed. The Institute had a grand entrance hall and staircase, aptly described by H. S. Goodhart-Rendel as "Happy and Glorious." To the right and left of the central tower were offices and

lecture halls, sumptuously decorated. Behind the central tower was to be a great hall for exhibiting the products of Empire, but this was never completed. The central tower was, as it were, buttressed by the entrance hall, side buildings and rear exhibition. It was never designed to be seen standing on its own. Smaller towers, over the wings, led the eye up, to the great central feature.

Collcutt, like Wren and all good English architects, realised the importance of skyline in our generally grey climate. The Imperial Institute had a most carefully considered skyline.

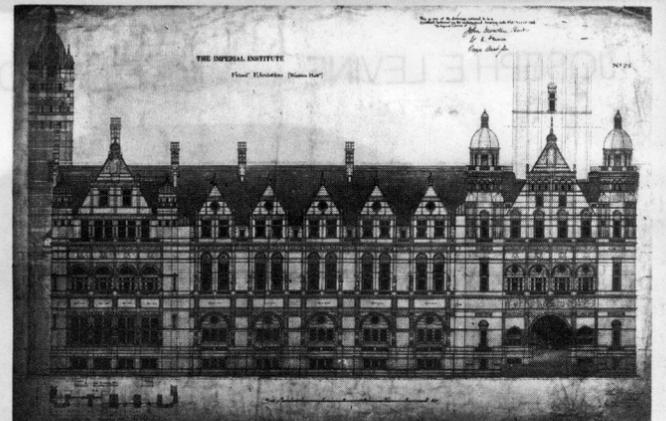
DEMOLITION

When the University authorities decided to enlarge Imperial College on the site

of the Institute, many public bodies and private people urged the University to incorporate the Institute and its towers in their plan, if a new building on this site was regarded as really essential. The University and the architects had neither the imagination, willingness or ability to do this. There was still a spirit of old world withitry lingering from the 1930's and the Imperial Institute was thought fussy, dust-collecting and old fashioned. So carefully detailed, grandly scaled and joyful a building would probably have survived, if its demolition had been proposed today. As it is, we have at least been left the outline of Collcutt's tower, as seen from Hyde Park. And Londoners can be grateful for this small mercy.

JOHN BETJEMAN

The Imperial Institute, an original sketch
Courtesy of the R.I.B.A.



THE SWANN REPORT

Drastic changes in postgraduate courses in science and technology are called for in a Government White Paper published on September 25th.

The report has been produced by the working group on manpower for scientific growth, whose chairman is Professor Michael Swann, Principal and Vice-Chancellor of Edinburgh University and it examines the relation between the demands of industry and University education. It finds that too many graduate scientists and technologists are staying in Universities and going abroad, with too few into industry and teaching. One of the effects of this is that the age balance of science teachers in schools is disproportionately old, this is also true of teachers in colleges of education and further education whilst in universities, the bias is strongly towards younger age groups. More than 70 per cent of first class honours graduates go on to higher degrees and less than 10 per cent go into industry and schools.

To combat this situation the report makes a number of recommendations. Teachers of science and mathematics should be more highly paid than those in other subjects to try to attract graduates into this branch, there should be merit additions for people who have taken approved higher degrees or had industrial experience and more graduates should have teaching experience during their universities careers, preparation for teaching could become part of a first degree course without lengthening the time spent at university.

As far as industry is concerned the committee says that industrialists must see that graduates are offered "attractive and challenging careers" and also make their needs clearly known to uni-

versities and become intimately involved with all aspects of postgraduate courses, including their support. Clearly the financial incentives must be there to attract people into industry.

In the University sphere, drastic changes in postgraduate courses are called for. If the report's recommendations are implemented, the already rapidly shrinking number of PhD students would be even less and the PhD courses will become "more closely orientated to the needs of industry." The emphasis in postgraduate courses would shift to industry-orientated and shorter courses and the proportion of students taking postgraduate courses after spending some time in industry would increase.

DAVID COOPER.

PROFILES

of a

PRESIDENT and a SECRETARY



FELIX crept along to the Union office some time last week and talked to Rex Lowin, our new president, as he munched his way through a cheese sandwich lunch. At last, FELIX didn't say much, just listened to most of what he said.

Rex has already spent two years in I.C. Union council, the first as Halls Rep. when he helped with the original Student House report. He was heard to say at some time "Only a mug could ever be Welfare Officer" but, nevertheless, last year he took on this exacting job, set up a committee to give some weight to the office and dealt with such things as Rents, the Southside Coffee Bar and the creche for students with children.

He regards the Union generally to have two main *raison d'être*. The first in the club system which accounts for a large proportion of Union finance. The second in the field of student welfare which covers things like academic affairs, external affairs and refectories. The second aspect is, Rex thinks, the most logical way for the Union to expand its activities and there are the kind of services a Union should offer, although, having been tied up with this sort of thing for the past 18 months, he says he may be a little biased.

A thing he wants improved is communication between the upper reaches of the Union and the general student body. To further this he will be writing a regular column in FELIX and wants people to feel free to come into the Union office and talk to people there. Another idea is to have a pending tray in the Union office so that people can come in and flip through it to find out what matters are under consideration at the time instead of waiting until a Union meeting and finding out about things when a decision has been made and it is too late for discussion. This will go towards "encouraging an attitude where people know ideas in their formative stage when they can be discussed" instead of being presented with a *fait accompli*.

WELCOME !

The I.C. BOOKSHOP is pleased to see you now but we hope to give you a better welcome in the new Bookshop in 1969.



When Jane Pearson arrived at IC several years ago, little did the average male Union member dream that she would strike a blow for emancipation by becoming the first ever female Secretary of Imperial College Union. Never before has a woman risen so high in the Union hierarchy.

Well qualified for the position, she has in the past been Chairman of the Conservative Society and last year was President of ICWA. At the end of last year she topped the poll in the election of floor reps to ICU Council and was also elected vice-chairman of the London University Conservative Association. These two posts she resigned on being made Secretary, the latter "not for political reasons" but because of the amount of work her present post entails.

The function of the Secretary is to deal with correspondence, putting up minutes or, as Jane puts it, "making sure everything gets churned out." Most of all she stresses that one of the things ICU needs is improved communications. More people should be able to find out what the executive and top members of the Union are doing and the pending tray idea should help. Personal contact is a valuable way of keeping in touch with the main body of the Union and, to quote Jane again, "We want the Union office to be a place where people can come in and chat."

PARKING SPACE

Students who wish to apply for a College parking space must get their application forms back to the Union Office by tomorrow (3rd October). 50 per cent of the residents' spaces along with 75 per cent of the commuters' spaces have still to be allocated and forms for the purpose may be obtained from the Union Office under the arch in Beit Quad.

Those people who failed to gain spaces in the first allocation in September can rest assured that they will be considered for the second and last

allocation. They need not submit another form unless they have new reasons to support their case. People living in student houses can apply for commuter spaces but FELIX doesn't think they'll have much chance unless they bring in a truckload of people every day. However, as consolation for these, parking meters won't invade the student houses area in Evelyn Gardens until the end of 1969, whereas they start operating in Queensgate and the upper part of Gloucester Road on December 2nd.

Here, for yet another year, is our anonymous correspondent, Colcutt. From his tower in Imperial Institute Road which has withstood ravages of time, the pigeons and the demolition gang, he gives his bird's eye view of the Union

COLCUTT

Welcome once again to I.C. and a special welcome to all those who are reading Colcutt for the first time. At a quick count that's your ninety-ninth welcome in three days. Here we are at I.C. for another happy, hilarious, hard-working year with all its petty arguments and political bickering at Union and Council meetings. No doubt by now you have heard of that mysterious, all-powerful body we fondly know as Council and that it exists to safeguard *your* interest and to solve *your* problems. What do they achieve? NOTHING! At least very little that is of interest or affects you.

They usually manage to find a convenient explanation of this. Two years ago it was apathy. The general student body was, they all agreed, apathetic. You weren't interested. You couldn't be bothered to come to Union meetings and tell them what you wanted. So, naturally, the meetings were inquorate and there was nothing much they could do about it.

Last year they saw the folly of their ways. It wasn't you; it was them! They couldn't believe that you weren't avidly interested in what they were doing. Communications. That was the answer. You didn't know what was going on so how could you be expected to be interested. They moved from the disease to the cause. After all, if no-one knows there is a Union meeting you can't expect them to turn up.

Perhaps a conversation overheard in the bar one night will explain it.

Typical Student: "Boop-boop-a-doop. Boop-boop-adoop." Council Member: "How can you be so narrow? Aren't you interested in broadening yourself?"

T.S.: "No!"

C.M.: "I don't suppose you know who the present Secretary of the Union is?"

T.S.: "Harris?"

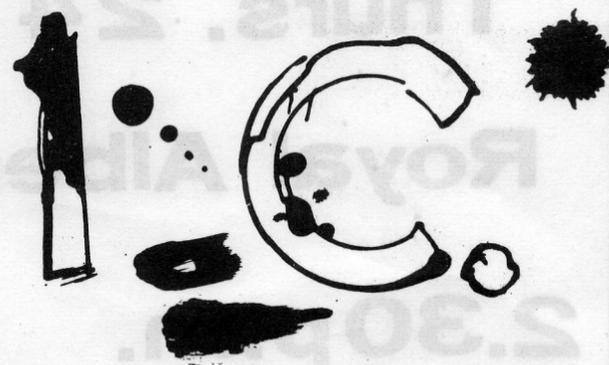
C.S.: "It's Jane Pearson. Harris is dead!"

T.S.: "I'm sorry to hear that. We can't afford to lose one conservative. Who's President now?"

C.M.: "Lowin, you dolt. Mr. Rex Lowin, formerly Welfare Officer."

T.S.: "Oh dear! I could never remember all that."

No, seriously folks. I'm sure this year is going to see the break-through. Everything is safely in the hands of Sexy Rexy and Plain Jane. So don't forget. Come along to the first Union meeting and see for yourself. Thursday October 17th at 1.15 p.m. in the Union Concert Hall.



I wish I'd bought the right drawing instruments...at the

I.C. BOOKSHOP

WHAT'S ON

THURSDAY

3rd OCTOBER

Guilds Union Meeting for freshers. 1.15 p.m. Mech. Eng. 200.

Gliding Club introductory meeting. 5.45 p.m. Aero 254.

General Studies
War in the Perspective of Modern Social Science. First talk of a series by Michael Banks, lecturer in international relations at L.S.E. 1.30 p.m. Place to be announced.

Barrow Poets. Music and poetry from the pubs. 1.30 p.m. in lower union lounge.

SATURDAY

Freshers' Hop. Maul a bird in time to music. 8.00 p.m.

in Union Concert Hall. Tickets sold around college during the week.

SUNDAY

ULU Cathsoc. Mgr. Bruce Kent, M.A. talks on "The Church in the University." 7.00 p.m. at the chapelaincy., 111 Gower St., W.C.1. Followed at 8.30 by a freshers' social.

Jazz and Folk Evening. I.C. artistes entertain for free. Begins around 8.00 p.m.

MONDAY

Wellsoc. "The Strength of England." A talk on the transport of the future by Dr. Barnes Wallis. Mech. Eng. 220 at 7.30 p.m.

TUESDAY

Inaugural Lecture. Prof. T. R. E. Southwood, Ph.D., D.Sc., A.R.C.S.

Professor of Zoology and Applied Entomology.

"The Abundance of Animals." 5.30 p.m. Mech. Eng. 220.

General Studies

What is War? Talk by K. R. Minogue, lecturer in political science at L.S.E. 1.30 p.m. Room to be announced later.

The Development of Opera. I. A series by Miss Else Mayer-Lismann, special lecturer at the Royal College of Music. 1.30. Room to be announced.

Are Banks Necessary? First in a series on finance and banking by E. J. Farnsworth, manager, the National Provincial Bank. 1.30 p.m. Room to be announced.

THURSDAY

Gliding Club. "Airfield Safety." 5.45 p.m. Aero 254.

General Studies

More Music from the Barrow Poets.

The Second World War I. "The Grand Strategy." by Prof. Norman Gibbs, M.A., D.Phil. 1.30 p.m.

SUNDAY

Fr. Crane, S.J., talks on "Apartheid" at 7.00 p.m. followed at 8.30 p.m. by a dance and social.

MONDAY

Wellsoc. "Students' Drinking Habits." A talk given by J. Orford which follows last year's investigations among freshmen.

TUESDAY

General Studies

Your Money — How Far Does It go? E. J. Farnsworth. 1.30 p.m. Room to be announced.

Music and Ideology. I — "The Tribe." Otto Karolyi, musician, author, lecturer, in a discussion on the influence of religion, politics and social environment on music. 1.30 p.m., room to be announced.

ALSO

FELIX press meetings are held every Tuesday and Thursday in the press room at 12.45. Anyone who can hold a pen is bound to find some post on FELIX's staff.

COMING EVENTS

Christianity and Industry. Sir Alfred Owen, C.B.E., D.L., Chairman of Owen Organisation. A lecture series.

I.C.U. General Meeting. Motions, questions and other matters for the agenda to be received by the Secretary before Thurs. 10th. Proposals for the Carnival Charity to be submitted before Tuesday 15th.

TOUCHSTONE WEEKENDS

These are held at Silwood Park, near Gt. Windsor Park and are a splendid opportunity to discuss, meet friends and air new ideas in very congenial surroundings. 15/- charge (not including booze). If you want to go, drop a note to the Touchstone Secretary, 178 Queensgate. More detailed notices nearer the date.

Wanted

by FELIX:
feature writers,
salesgirls,
reporters,
photo-graphers,
secretaries,
attractive female
tea-masher.

IMPERIAL COLLEGE

COMMEMORATION DAY

Thurs. 24 Oct.

Royal Albert Hall

2.30 p.m.

R.C.S. on show

Tickets FREE

Commemoration Day celebrates the visit to the College in 1945 of the late King George VI, accompanied by Queen Elizabeth the Queen Mother—now Chancellor of the University of London—at the centenary of the Royal College of Chemistry, the oldest forerunner of the Imperial College.

This year's celebration will be held on Thursday, 24th October, in the Royal Albert Hall, at 2.30 p.m. The special visitor will be Sir Denning Pearson, JP, DR ING, EH, Hon DSc, BSc(Eng), C ENG, WH SC, Hon FRAeS, MIMECH E, MIPRODEN, MBIM, Fellow of Imperial College, Chief Executive and Deputy Chairman of Rolls Royce Ltd.

Before the ceremony an interdenominational church service will be held in Holy Trinity Church, Prince Consort Road; the preacher will be The Rt. Rev. E. R. Wickham BD, Lord Bishop Suffragan of Middleton.

After the ceremony, the buildings of the Royal College of Science will be on view to visitors.

Tea for present students will be in the College Buildings and tickets can be obtained free from the Union Office.

PRESIDENT'S COLUMN

This article is to be the first of a regular series, and I would like to explain why I am writing them. The idea is not to set up as a rival to Colcutt, but as a supplement to him. The Union has two main facets; the club structure, already very well developed, and the other services to students which can be described under the very general heading of student welfare. The latter structure has really begun to grow over the last two years, and covers such things as student housing, sports facilities, and refectory facilities. Since these projects are large and often costly, they involve co-operation between the Students Union and the College Administration. This usually means that any advanced information comes through the President and perhaps four or five other students. In the past any such information has often filtered down only slowly to the majority of students. I hope to use this column to throw such topics open to the Union at as early a stage as possible so that everybody has access to previously inside information.

SPORTS CENTRE

The first topic that I would like to deal with is the new Sports Centre in Princes Gardens. This will provide a swimming pool (82ft. x 40ft.), four squash courts and a rifle range. The contractors have just moved out and if the heating system is willing, the swimming pool and rifle range should open on Monday. The squash courts suffered in the recent rain and it may be several weeks before they are ready.

The initial planning of the Sports Centre goes back many years, and about three years ago a steering committee with two student reps was set up to help in its development. The final cost has been just over a quarter of a million pounds, about half coming from the College and the rest coming from grants to the College. The committee decided that the Centre should be a general College facility, open to both students and College employees unlike the Gym which is college owned and run.

BOB-A-DIP

It was also agreed that some payment would be required towards offsetting the heavy running costs, estimated at £19,000. The entrance charge of a shilling covers admission to the pool and squash courts during open sessions. In addition, some sessions will be reserved for Union clubs, and the rifle club will have sole use of the firing range. These sessions will be free and for club members only, the costs being met by a Union block grant to the Centre, in line with the normal club subsidies.

The Sports Centre will be open from 9 a.m. to 9 p.m. on weekdays, and 9 a.m. to 6 p.m. on Saturdays. There is to be no Sunday opening at the moment since this would add considerably to the running costs, but the situation is to be reviewed during the year. If enough people want to use the pool on Sundays, then I hope we shall be able to manage Sunday opening.

Do you write :
Short stories ? Poems ?
Articles of depth and vision, compulsive, serious, witty ?
Or do you draw, scribe, or create drawings, scribbles or creations of amazing style and beauty ?
Or do you just wake up nights with incredible ideas ?
Send the fruits of your talent to John Mullaly, Aero 3 or Union rack. Like men, we need it.



PHOENIX



JANET IS HERE

With the departure of Mrs. Robinson to Educational publicity, FELIX's old advertising agents, Janet Hughes has taken over the post of Union Clerk. FELIX said : "Can we print a photo of you in a bikini ?" Janet said "Like Hell !"

ROLL UP ROLL UP

The management of the Royal Albert Hall, little known national monument to the north of I.C., has been holding "hush-hush" negotiations with Billy Smart on the subject of a grand Christmas circus. Because of accommodation difficulties, large animals such as lions and elephants are out, but smaller ones, such as sea-lions and fleas will be allowed.

It has been reliably reported that Lady Herbert, widow of a High Sheriff of Nottingham and a near neighbour of the Albert Hall, said she doubted whether the circus would disturb her more than "the people from the Imperial College nearby"!!!

SMALL AD

Do you want an interesting and exhausting hobby, with an opportunity to meet a great variety of people ? Then contact Frank Morris by the Union Rack.

MARTINPLANNING makes your money go further

When the problem that you're faced with is the longness of the time compared with the shortness of the money, likely as not the answer could be a bit of Martinplanning.

What's Martinplanning? It's the way we have at Martins of applying all our experience of managing money to help you make the most of yours. Call in and have a word with the local Martins manager — guaranteed unstuffy. We don't promise he'll make money for you, but we're absolutely positive he'll see you get the best possible value out of whatever you've got. Ask him for the leaflet we've prepared specially for students.

Martins have a branch at 35 Gloucester Road, London S.W.7 Telephone: Knightsbridge 3343 Ask to see Mr. Bradley

Martins go to extremes to be helpful

MARTINS BANK



O.S.S. IN LABOUR

The Organisation for Social Service work parties is tailor made for anyone in the college who enjoys spending some of their weekends decorating, renovating or even window cleaning from time to time! Work parties are probably the most widely known aspect of O.S.S. Many more students participate in these than the other vital but less publicised sides of O.S.S.

The bulk of the jobs undertaken in work parties involve interior decorating. Often we spend a weekend completely redecorating one or two rooms for elderly or disabled people who cannot afford professional help and who certainly cannot manage to do the job themselves. The work is rarely completely straightforward as the majority of places visited were hardly built yesterday! We often have to contend with crumbling plaster, rottenwood damp and peculiarly shaped rooms. But there is some satisfaction to be gained in turning an often cheerless dwelling into a more colourful, pleasant home; with quite a few people mucking in, the transformation can usually be done in a weekend. For budding "do-it-yourself" students there is always plenty of practice here in plastering, painting, wall-paper hanging and general renovating. —Other indoor

jobs include decorating large houses taken over by local charitable organisations to prepare them for homeless families.

POP IN

Attendance at work parties can be regular or sporadic, exactly as you please. Often people only pop in for a couple of hours on a Saturday or Sunday while others spend both days on the job. However long anyone spends, they are always only too welcome. In this connection, details of our activities go up early each week (the notice board is just outside the lower refectory on the same side as the gent's toilet!)

Outside jobs in the past have mainly been in connection with the Notting Hill Adventure Playground where O.S.S. helped in the construction of a large rehearsal hut for the amazing "Steel Band." This involved

very careful planning and some quite heavy work over many weekends, as well as playing football with the local kids at the playground. All the experience gained can come in very handy in later life, though experience itself, although welcome, is not necessary on our jobs. After all, anybody can put up wallpaper and bang in a few nails here and there.

BIZARRE

Among other more bizarre jobs, we have spent a weekend at the Golborne Road Rehabilitation Centre being helped and hindered by the ex-convict occupants in renovating their vast dormitory. Also, when the floor of a pre-school play-group hut in North Kensington collapsed in the winter, we helped relay the floor in remarkably damp weather conditions which, peculiarly enough, quite added to the occasion.

Many, if not the majority, of weekends are run in conjunction with Bedford College, which tends to supply rather more lady decorators than I.C.

If you are interested, why not sign on for our first weekend on October 5/6, for details see Southside notice board. Also our Freshers' Evening on Friday 4th October in the Upper Union Lounge at 19.00.

DAVE CHANT

HOUSY-LOUSY

The "Entryphone" is indeed a wondrous invention. With this electric butler, it is possible for visitors to communicate by word of mouth with beings in any part of the building in which it is installed and be allowed access to the interior of said building by the contacted host. All this at the pressing of two buttons.

When I was faced with this simple task, I was standing, surrounded by suitcases, in the porch of 55 Evelyn Gardens —my student house, home for the next session.

I pressed the button marked "Warden" then a second time and once more for (fabled) "luck". The Warden being out, I commenced to press random buttons in the foolish belief that I would make contact with persons inside. Nothing. I was greatly relieved when a smart, smiling young fellow bounded up to the door and let me in with the words "Hello, I'm sub-warden Ray Phillips and I've been moving furniture." Strange!

BE UNPREPARED

He led me through plaster splattered corridors and perilous unlit staircases of extensive gradient to the basement of the building where he showed me a splendid room. Unbelievably vast, it boasted central heating, an adjoining room with new electric cooker and wall heater and, to cap it all, it was

completely UNFURNISHED with the latest open plan styling.

"Yes," he said "I'm sorry about the cooker, it was put there by mistake but we'll soon remove it for you." Grief!

"Ah well," quoth he "I must leave you now, some fool's messing about with the Entryphone."

The structure of the student house could well be described as a "Garden Hall with knobs on," i.e. diverse and multi-directional. Some-

one also had the clever idea of putting the warden's flat in the middle of the building. Thus, to reach the upper floor of the central building it is necessary either to cut through to the outer staircases and climb past this or have the embarrassment of getting a chance view of the personal life of "The Governor." But seriously, folks, most walls are (as you can now imagine) unpainted or bear remnants of the previous occupants paint.

DO IT YOURSELF

When I eventually got another room with things as useful as beds in, I found the whole furniture system to be do-it-yourself. You make your own beds (with your own sheets) and you sweep your own floors. Who knows, perhaps you paint your own wall (with your own brushes, naturally).

By the way, at the time this issue went to press, my allotted room had the furniture I was to be using in, but it had to be unwrapped first.

ENGINEERS SCIENTISTS:

Find out first-hand what life is like as a Patent Examiner.*

You would be surprised to learn how interesting a career as a Patent Examiner can be. Accept this invitation to visit us at the Patent Office and find out all about it first-hand.

Basically the job of the Patent Examiner is to vet applications for the patenting of new ideas in electrical, mechanical, chemical and other fields.

When you join you are assigned to a senior Examiner who will start you off on the less complicated specifications, to give you the chance to grasp the mechanics of the task. As your aptitude develops so you will be given more and more demanding

work and with less and less supervision, until eventually you work entirely on your own.

Make no mistake about it, to meet the challenge which this kind of work involves, you need an enquiring mind and the ability to develop your critical and analytical faculties to the highest degree. And you have to be prepared to argue your case with the applicant or his professional advisers.

You will earn an excellent salary, starting at £1,116 and reaching £1,870 after 3-5 years. Virtually all examiners reach senior grade, salary up to £3,625. This grade can be reached in 8-10 years.

Holidays are significantly better than you could expect in industry. Non-contributory pension.

Now you have an outline idea of the job. If you would like to find out more, please write to Mr. C. I. L. Smith, The Patent Office, 25 Southampton Buildings, London, W.C.2. He will send you full details, and you can then arrange a day to visit the Patent Office.

*

You must have or expect to obtain a First or Second Class Honours degree in engineering, physics, chemistry, or mathematics, or an equivalent qualification, such as Corporate membership of the I.E.E. or I.Mech.E.

FELIX ARTS PAGE

I.C.'s own John Peel writes about LONDON'S SUMMER

In many ways it is a pity that the long vac is stuck right in the middle of summer when London is really quite a nice place to be. For lovers of music of all kinds, this has been a very good summer. For classical fans there has been the Proms, for those who like Indian music there was a chance to hear a series of ragas at the ICA one weekend, Ustad Villyat Khan doing two concerts at Swiss Cottage Odeon and another top sitarist, whose name I cannot remember, in a free concert at the Victoria and Albert Museum. This was a wonderful evening with a top Indian dancer for good measure and the Raphael Gallery (why do they call those things cartoons?) was packed out. But the pop music has, for me, been the most exciting of all this summer with the Saturday afternoon free concert in Hyde Park.

First Concert

The first of these featured Tyrannosaurus Rex and the Pink Floyd. Currently riding a wave of popularity following John Peel's frantic plugging on good old steam Radio (they also appeared at I.C.'s Carnival Charity Concert in the Albert Hall and at the May Ball), Tyrannosaurus Rex are a unique phenomenon. With most of the time

just bongos and guitar their highly individual style seems to require a rather more intimate atmosphere than that found in the vast expanse of Hyde Park. How long they can stay in vogue will depend to a large extent on how much variation they can get into the framework of their style. It certainly says quite a lot for the present scene that such an unusual sound can be successful on more than just novelty value. The Pink Floyd are another highly individual group who are cur-

rently enjoying commercial (and artistic) success. Their music seems to fall into two categories. One is fairly normal good pop music and the other is something which defies classification. It isn't really electronic music, which is generally reckoned to be music from sounds created and manipulated by purely electronic means, nor is it musique concrete, which is music created by manipulating by tape or other electronic means sounds produced by normal instruments. Certainly it has elements of these two in it but then their music is not artificial in the sense that it is produced by splicing bits of tape together and playing the whole at the wrong speed, all their sounds are produced from what appear to be quite normal group instruments: electronic organ, electric guitar, drums and human voice. It seems to be the way in which they are played which produces their highly distinctive sounds. No other group that I have heard has achieved such a high degree of integration of voice with instruments that the voice becomes an instrument and one can no longer think of a piece as separated into vocal and instrumental passage. Excellent examples can be found on the tracks "Let there be more light," "Set the controls for the heart of the sun" and "Saucerful of secrets" from their "Saucerful of secrets" LP (Columbia SCX 6258) which is the best record I have heard this summer (one notable record I haven't heard yet is the Doors new one reviewed in this issue).

Traffic

The second concert featured Juniors Eyes, a fast improving up and coming group, Traffic, who played very well and seem to have gained cohesion with the return of Davie Mason, Pretty Things and the Action, but as far as I was concerned the stars were the Nice who are really playing brilliantly just now. To prove at one and the same time that the charts are not all that bad but could be better if their 6½ minute masterpiece "America" got into the bottom of the top 30. Still Arthur



The West Coast group the Doors, whose style of music featured was prominent in London this summer. (Photo by courtesy of Elektra records.)

Brown made Number 1 so there is hope of better things.

The third concert had Ten Years After doing one block-busting 40 minute number upon their return from the States, Peter Green's Fleetwood Mac with their three lead guitars were fairly good but not brilliant, the Fairport Convention who had just returned from holiday and sounded a bit rusty, and the Deviants whose organ had broken down and were awful.

Two of the shows were compered by Roy Harper, who besides joking and singing some of his excellent songs, brought on some folk singers, some out of the audience, who held their own with all but the best of the groups.

Albert Hall

The idea of these free concerts was imported from San Francisco, where they are a regular feature. All credit to Blackhill enterprises who organised them, the Ministry of Work who allowed them and of course the groups who played.

Recordwise, apart from the aforementioned, "The Rock Machine Turns You On" (CBS PR22) (by assorted artists including Bob Dylan, Leonard Cohen, Moby Grape, The Byrds, Simon and Garfunkel, Roy Harper and Tim Rose) has some excellent tracks (and some rubbishy ones) and is remarkable value at only 15/- for 15 tracks. The Arthur Brown LP has been well worth waiting for and gets across the unique atmosphere which exists when the Crazy World perform, probably as well as is possible on a record.

DAVE COOPER.

Vigour and Passion

THE DOORS/WAITING FOR THE SUN Elektra EUK 4024.

The Doors are an American group, well known in the States, and beginning to be heard at large in this country, especially since their recent visit.

Interest in the group usually centres on singer Jim Morrison, whose work has been described as poetry, and whose stage performance has been branded as obscene. Police departments seem to emphasise the latter view, and being bust by the cops is almost a regular part of their shows in the U.S.

This kind of thing shows in their songs; while the lyrics are occasionally rather obtuse, the songs are full of vigour and passion. "They've got the guns, but we've got the numbers," says "Five to One," one of the tracks. The album also features the Doors' current single "Hello I love you," and "The Unknown Soldier." I found "Spanish Caravan" and "Yes the river knows" very pleasant, and I especially liked "Not to touch the earth."

The Doors require a lot of listening to, partly because the lyrics are important, and also because much of the music seems to sound alike at first. Actually to enjoy them takes an effort. It can be worthwhile.

B. FOON.

The Graduate

Coming to London after the vacation, you will maybe wish to catch up on the films which have opened since last June. One that should be high on your list is "The Graduate." The film concerns Benjamin, the graduate, who, following a party given in his honour by his parents, is seduced by Mrs. Robinson, a family friend. This becomes a habit, broken only when Ben falls for Miss Robinson. In the ensuing confusion we are treated to some very nice film of Ben chasing round Berkeley and across the Golden Gate, after his girl.

Such a theme could easily turn "The Graduate" into a turgid mess, but under the direction of Mike Nichols we are given a very moving and sensitive film. It is also extremely funny. Anne Bancroft is superb as the icy Mrs. Robinson, and newcomers Dustin Hoffman and Katherine Ross are as good as the other leading parts. Music by Simon and Garfunkel gilds the lily: this is a most enjoyable film.

J. MURGATROYD



It costs you nothing to make a friend at Barclays

Look in at your nearest branch, and ask to see the manager. You'll find he has plenty of experience in the vagaries of student finance. He'll help you to open your account, and give you any advice you may need on how to run it . . .

He'll ask you for a couple of specimen signatures and a quid or two. Then, providing you stay in credit, your 'Student Account' will be free of all banking charges. And you'll have made a good friend for the rest of your student days.

Barclays Bank Money is our business

SPORTS NEWS

EDITORIAL

If you have a leaning towards Athletics, Badminton, Basketball . . . down to Volley ball, in fact any sport to be found listed in the "Blue Book" (what a misnomer!), read on. If not, you probably won't have reached this far anyway.

As a fresher you will by now have been given a lot of boring good advice by hundreds of faceless people, but something will probably have become very clear. Everyone agrees that you should join clubs and become involved in the Union as early as possible. What better way than to indulge your favourite sport at whatever level you choose?

Recent Successes

IC is justly proud of its sporting record which is second to none in the University and a lot better than many full Universities. Last year teams from IC won the following University competitions:

UL Seven-a-side competition (rugby)

UL Team Fencing Championship (for the third successive year)

UL Swimming Championships

UL Golf Championship

UL Winter Regatta (3 class wins)

UL Head of River race

UL Allan Cup Regatta

UL Girls' Hockey Championship

and many other competitions besides.

We also have three IC students in the University of London Olympic Eight, and Graham Paul is fencing for Great Britain at Mexico. The

IC clubs can be used as stepping stones to the University teams although in some sports the IC teams are as strong or even stronger than the UL teams.

Freshers' Role

There is no reason why this success should not continue, but we must have the vital support of the Freshers. It is surprising how many freshers make first teams almost immediately; but it must be emphasised again that the range of ability catered for is great if not extreme.

Most trials will be held during the first week of term. Today, Wednesday, the Hockey Rugby and Soccer clubs hold their Freshers' trials at Harlington and free (yes FREE) coaches leave the Union arch from 1 p.m. onwards. For trials in other sports see the notice boards or the Club secretaries and captains, or ask in the Union bar.

Why the Success?

There are many reasons why IC has been very successful at sport over the years, but excellent facilities and an annual subsidy of about £5000 does help. You must have read about or heard of the superb facilities at Harlington, which more than offsets the 35 minute coach ride (4/- return). Arthur Loveday is responsible for the maintenance of the pitches there—and does a superb job, as does Mrs. Loveday with the meals.

The Boat Club too, enjoy unique facilities with their own Club house on the Thames at Putney. These unique facilities even extend to Pete's Cafe in Fulham Palace Road.

Sports Centre

Closer at hand we have the new Sports Centre. This comprises a swimming pool, squash courts, rifle range and other facilities by Cliff Spooner (he is the big fellow with the 1956 Olympic blazer—claims it's genuine!).

Hyde Park is also useful for training and ogling (in season). All this and more can be had for an average annual subscription of 12/-. Not bad, eh?

FRESHMEN'S

INFORMAL DANCE

for a small
outlay, topping
entertainment.

This Saturday

DEVALUATION ESCALATION RACIAL SEGREGATION

Do you need
Information or
Simply Edification?
Exercise your own
discrimination by
visiting the

HALDANE LIBRARY

Open 10-7
(10-5.30 Wednesdays)

LAMLEY'S

A
M
L
E
Y
,

for your—

BOOKS

ART MATERIALS

PAPER BACKS

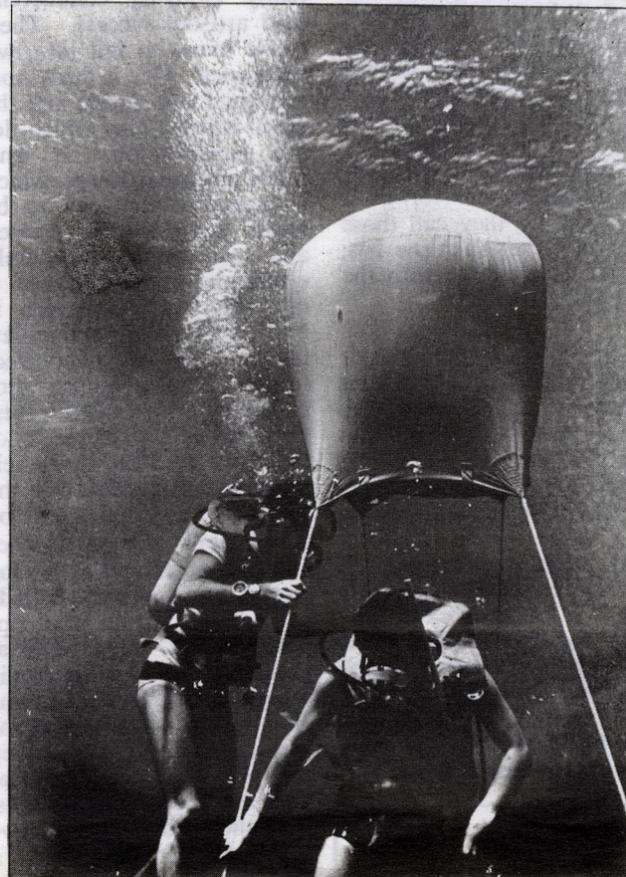
STATIONERY

★

1 EXHIBITION ROAD, S.W.7

COLLEGE MALTA EXPEDITION

The diver gave an unmistakable sign—a single finger drawn across the throat followed by a rapid point to an isolated rock. Stu was an experienced diver and would not have given this danger signal for nothing—yet nothing could be seen. Finally, from less than two foot range, the danger could be discerned. A scorpion fish, almost perfectly disguised, was lying on the rock. Scorpeana Scrofa is described as one of the most poisonous European fishes. Recovery, if one is lucky enough to survive, can take up to several months.



A Bite in Malta

Nine IC students spent two months this summer diving off Malta. The object of this scientific expedition was two-fold. To ascertain the accuracy with which an underwater swimmer can tell the direction of an underwater sound source (i.e. Stereophonic hearing underwater), and to assemble and test some inflatable underwater "mini-Houses." One of these struc-

A bite in a bite

tures, generally known as "Bites" is shown in the photograph. It is filled with breathable air and contains a telephone link to the shore. There is room for two divers inside it at once and pockets for tools and cameras. One diver even ate his lunch there.

Spectacular Accident

A total of three Bites were used and on the day of the scorpion fish, all three were down together. Each Bite displaced some $\frac{1}{3}$ of a ton, and on the occasion when the mooring cables broke in 130 feet of water, the sight was most spectacular. The sea became so filled with small bubbles of air that it would not support a person's weight. One diver fell through this "low density water" some 20 feet before he realised quite what had happened.

All interested newcomers to the College are also invited to come and visit us at our baths training sessions. For times and further details see the Club notice Board in the Union Entrance Hall.

Brian Ray, Physics P.G.
int 2109

Pete Jenkins, Chem Staff
int 2662

HENLEY VICTORY

Heavy rain caused a flood stream to bubble past the start. Time: 3.30 p.m. Day: Saturday, July 13th, 1968. After years of near misses, an IC four was in the final of the Visitor's Cup at Henley and for the first time since the flood started, they had the easier side—so there must be no close verdict.

'Won easily'

Knowing this, the IC stroke took his crew off the start flat out. Slowly they drew away. The end of the island—a minute gone—and they had a clear lead.

Halfway, they had the worst of the stream, and still drew away. Then it was only a matter of keeping going.

Now Henley, with a heavy stream flowing, is an exceedingly long course, but with a trophy within your grasp, tiredness disappears, so keep going they did. The verdict for our first win at Henley since the Thames Cup in 1947, was "easily." Then the afternoon disappeared into a kaleidoscope of pink ties, champagne, prize medals and more champagne.

One of several

The win at Henley was only the last of a number of notable successes this year. The eight won the Southern

Universities Championship and the U.L. "Head of the River," three members of the college are rowing in the Olympics as part of the University of London eight, and, in smaller boats, a coxed pair successfully represented the University in the British Universities Championships.

Higher Aims

The target now is to produce a winning senior eight and possibly a four which could represent Britain in the Internationals. That needs manpower—of which we are very short—so we are hoping for plenty of new recruits and are quite happy to teach them from scratch.

Henley Crew: R. N. McBride, A. A. Friend, R. F. Allum, J. A. Borham.

SUNDAY, NOV. 3rd:
Return Match, I.C. 1st XV v. Belgium National XV at Harlington.



No. 264

FELIX LATE NEWS

EDITOR

JOHN PROBST

and

PATSY!

FRESHER'S DAY

Fresher's Day seemed to be its usual self, with all the freshers being persuaded to join all the clubs. Comments from the club organisers ranged from: "Not as good as last year" through "The beer will be flowing well on Wednesday" to the inevitable comment from Dransoc "We've got hundreds of members".

FELIX decided to interview a typical fresher: it transpired that he was in Mech Eng I. We asked him what he thought of the Union and the activities. He said he thought it seemed very active and that there was a good selection of societies. He had already noticed the lack of women. When asked what he thought of the mornings' speeches he said "As soon as the rector left, things started to liven up - the speeches by the Union Officials were informative and down to earth - they broke down the barriers of apprehension."

FRESHERS please note: Please register this week all else you will be charged £1.

ANOTHER NEW TELLY!

There are rumours that there is a new telly in the Union. A persistent search by one of the FELIX staff failed to show its whereabouts. Perhaps the $\frac{1}{2}$ life of Union telly's is actually decreasing.

WIN A TANKARD

The annual competition debate for the freshman's tankard will take place at 1.00p.m. on Tuesday 8th October in Mech Eng Room 220. All ICU welcome - Freshmen must attend this traditional debate. Motion "this house sees no future for Freshmen."

WELLSOC

FELIX has a use after all!

As a result of the article in FELIX last session on the progress of the Wellsoc E.S.P. Exhibition, the fame of Wellsoc spread to the London Evening Standard. The Standard took an interest in the current research undertaken by the Wellsoc Ghost Group and printed an article a few months ago. This article has now been reprinted in many parts of Britain and the World and has greatly increased our flow of correspondence from people eager to participate.

At present two stages of the experiment have been completed (Results to be published soon!) and the other three stages will be undertaken this session. Anyone interested in taking part in the experiment to investigate the mode of transmission of E.S.P." is asked to contact J.F. Moont (415 TIZARD) or any member of the Wellsoc Committee.

SOUTHSIDE SNACKBAR

Southside snackbar is to be opened in the evenings for anyone who wants to hold informal meetings, or just drink coffee and doesn't want to make it or washup afterwards. It is to be opened from 7.30p.m. to 11p.m. from the beginning of term.

VITAL STATISTICS

Provisional figures from the Registry show that I.C. now has 163 women undergraduates, 62 of whom are freshers. The men now total 2,260 822 of these being freshers. It's still a girls life at I.C.

mmmm
MEET PLACE

WHATS ON

Thursday 3rd October
1.15p.m. Freshers CITY AND GUILDS
UNION MEETING 542 Mech Eng
5.45p.m. Methodist Society
Freshers tea FREE Union Top refec.
7.30p.m. International Relations
Club Japanese Evening, Free
Japanese Food Senior Common room.

Tuesday 8th October
7.30p.m. Hellenic Society Film:-
NEVER ON SUNDAY Mech Eng 220

Tuesday 15th October
1.00p.m. Mines Union Meeting
Mines Lecture Theatre.

FELIX offer their grateful thanks to Mr. Keith Rowan for all the work he has done for this issue.



HALLO I'M

VANDALS

Within a week of the opening of the Sports Centre there have been several cases of vandalism.

Locks costing £8 a time have been removed from lockers. Coat hooks have been torn down in the changing rooms. The loo scrawler has already been chipped off, in the spectators area by thoughtless placing of feet. The total damage is estimated at £30 - £40.

For Heaven's sake children, grow up. It's your Sports Centre - look after it!

To all militant left-wingers

On October 27th there is a big demonstration against the Vietnam war. As this is being heralded as the most militant one yet there are going to be many arrests. Anyone from I.C. who is detained by the police should contact the Union office Tel 589 5111 (Ext 258) for advice and help. There will be someone on call from 3.00p.m. - 11.30 p.m. ready and willing to do anything from telling you your legal rights to making necessary phone calls for you. On Friday 25th a broadsheet on legal rights will be available from the Union office and I.C. Peace Action Group. Anyone who anticipates being in the West End on the Sunday is advised to obtain one. The telephone number to remember is 589 5111 (Ext 258).

" A letter to be sent in petition form to the Department of Education and Science incorporating a motion passed at the last I.C.U. Meeting last year."

We are instructed to bring to your notice the following motion passed at a recent meeting of Imperial College Students Union.

"Imperial College Union welcomes the concessions to students from low income families and on supplementary grants, announced by Her Majesties Government in its review of the student grant level.

However it deplors the decision to award only £25 out of the £50 increase estimated by the Brown advisory panel on student maintenance grants as necessary to maintain the students' standard of living and requests that this decision be reviewed before the 1969/70 session.

The recommendation of the Brown advisory panel was to maintain the real value of undergraduate and equivalent awards. The Government, by not implementing these recommendations, has lowered the student standard of living for the second time since 1962. The standard of living of students must now be increased by 14% in order to raise it to the 1962 level.

In 1959 the present chancellor Ray Jenkins wrote in "The Labour Case" that many students then suffered from being on a generally inadequate (income) scale and also said that the state must take responsibly for a rather greater generosity in all respects and for participation he said that this would involve a more generous policy on student grants.

From our observation it is apparant that the case for increasing student grants is at present even stronger.

We believe that the Government should treat more expenditure on University education is an investment rather than a waste.

We believe that if the Government continues to adopt policies which lower student living standards the present shortage of graduates in science and technology will become more acute and the Government may be held responsible for Britain failing to become more economically viable in the highly competitive technological world of today.

At a meeting of I.C.U. council on Monday night, it was decided that council would try to lower the rents of student houses. The matter arose out of a report submitted by Dave Harris, the student house warden, which indicated rents could be lowered by 10/- per person per week without the house running at a loss. Bob Fryer, acting Halls Rep, pushed through a action covering this point as well as recommending that the basic rent should include such things as heating, lighting and the supply of bed linen.

Council also decided to rent a colour T.V. for the union, reversing Jeff Steer's previous decision rent black and white. Keith Guy was also offically elected Chairman of Ents for the second successive year.

Will anyone who has begged, borrowed or stolen the Union General Meeting minute book please return it to the Union office by tomorrow. Auntie Jane and Uncle Rex are getting a little worried about it.

LATE NEWS EDITOR

John Probst

with:

Keith Rowan

A.P. Holman

Paul Heath

John Sommer

and

Patsy

HELLO

WELLSOC

After clearing away the paper darts, Mr. J. Orford, Research Psychologist at the Maudsley Hospital Research Unit, began his talk on students' drinking habits by informing all "gentlemen of the press" that the contents of his lecture, based on research results soon to be published, were under copyright; hence the vagueness of this article.

His results had been obtained from two questionnaires, one of which was sent to male students at I.C. Second year will no doubt remember the 41-page questionnaire which they had to fill in last year and from which Mr. Orford extracted some very interesting results. The speaker gave details of other surveys into the drinking problem. The purpose of the questionnaire was to discover how students' drinking habits could lead to possible alcoholism in later life.

After his lecture, Mr. Orford kindly agreed to stay for a further hour to answer questions over coffee.

MINES UNION MEETING

Mine's Union Meeting went off Tuesday lunch-time in typical Mine's fashion to the accompaniment of minor explosions, amells and bottles of soda water. The minutes of the last meeting were read by Secretary Barry Hurd, Colin Morgan reported on Ent's, i.e. Mines Ball and the Carnival, Lilas Campion (Editor) spoke about Mine's Journal, Rich Olley announced plans for the entertainment of the foreign mining students at the end of term and the Netor and Rugby Clubs begged for support. Various year reps, and Honorary Pornographer and six mascot guardians were elected. The meeting was interrupted at intervals by stunts: Miners dressed in sheets careering around the room waving sparklers, the usual painting scene and a 'young lady' who auctioned all her clothing except a pair of black tights.

The meeting closed with President Barry Sullivan still vainly trying to keep order, with a convert from Civil Eng drinking his initiatory helmetful of beer, followed by the Mines song.

The Official opening dinner of Linstead Hall is on October 30th (clash with Morphy Day) and the Union is provisionally scheduled to present the photograph of Sir Patrick Linstead, our late rector, to the Hall on this date.

RCSU UNION MEETING

Yesterday's RCSU meeting was held for the election of the Queen of Jez and as the hustings for next Monday's Presidential Elections.

In the hustings Gwyn Hughes was ably proposed by Dave Dives (Maths Dept Re.) and Pete Dolwin by Adolf whose speech was more a demonstration of his own personality than Pete's. For questioning one candidate was sent out of the room while the other was interrogated. Gwyn Hughes coolly replied to searching questions about his apparent inactivity in the Union. Pete Dolwin smoked furiously through his seven minutes of questioning.

The election of the Queen of Jez defies description; suffice it to say that Wendy Leigh of maths I was chosen from a short list of about ten totties. Adolf was a close runner-up, but Pete Dolwin declined the nomination.

Pink Floyd will not be appearing at I.C. this Saturday as is generally believed, but will be at I.C. on Saturday October 26th. This week's main group is "The Spirit of John Morgan" Admission now 6/- $\frac{1}{2}$

MORPHY DAY COACHES

At an exec meeting on Monday, it was decided to book around ten coaches for Morphy Day which is on October 30th. The coaches will take people down to Putney river bank at a cost of 1/- per head, to be collected on the bus. It is hoped this will result in less disturbances to the public on the way down and thus prevent the police from banning the battle (as they did last year) and also to prevent the Senior Warden doing so (as he has threatened to do in the past).

Have you tried the coffee and snacks bar in Southside yet? The demand still isn't up to what is needed to keep it open, although the figures are improving.

SAFETY

Last Monday afternoon the Safety Committee launched their booklet on electrical safety, at a lecture in the Mechanical Engineering Department which follows 18 months after their first publication on Radiation Hazards. The safety Committee under the chairmanship of Dr. E. Cohen, communicates with departments on matters of safety and sets safety policies generally

WHAT'S ON

Maths and Physics Soc warns all Astronomers.
Dr. John Pilkington, Cavendish Lab.
Pulsating Radio Sources
Tuesday 22nd 1 p.m.
Physics lecture theatre III

SMALL AD

Big pre-demonstration meeting, all people who intend to go on the demonstration
Meet Thursday 615 Upper lounge
Information ICEPAG c/o 621 Tizard