



MORPHY DAY TODAY! see p. 9

UNIVERSITY IN SOUTH KEN ROBBINS SAYS O.K.



Thursday, October 24th, was Commemoration Day. This year the traditional ceremony of presentation of Associates, Diplomas and Fellowships had special significance in that the visiting speaker was Lord Robbins whose report on Higher Education had been published the previous day. After the colourful display of hats and gowns had been followed by thin excerpts from Prince Igor by the choir, the Rector presented his report. He spoke briefly on the achievements of the College over the past year emphasising two points: firstly, the recruitment of outstanding men to the staff at a time when the emigration of scientists was prevalent, and secondly the great need to recruit more women students. "We are a mixed College," said the Rector, and pointed out that under him the female population of the College had trebled since 1955. Every encouragement should be given to double the present figure as soon as possible.

ROBBINS EVADES THE ISSUE

Lord Robbins killed all speculation about his visit with his opening words, where he made it clear that he had no intention of speaking on higher education. He apologised to the Chairman for being present under false pretences. The entire text of his speech concerned Technology and Economics and their relation to public policy. It appears that to see just how the Robbins Report will affect I.C., we shall have to wait until the Rector's special lecture on this topic on TUESDAY, NOV. 26th, IN THE ROYAL GEOGRAPHICAL SOCIETY HALL.

LORD ROBBINS

Photo by Chris Hussell

UNIVERSITY IN S. KEN.?

It is possible, meanwhile, to surmise from the summary of the report, and from remarks in the press just how we will be affected. I.C. will probably be known as one of a group of SISTERS (Special Institutions for Scientific and Technological Education and Research) and in this context will be modelled on its American counterpart M.I.T. Whether the much-mentioned widening of academic horizons means that further courses will be added, and whether I.C. will eventually achieve University status remains to be seen. At any rate the possibility appears much stronger under the above arrangement, if as suggested the C.A.T.S. obtain this status without lowering their standards: then 'Consort University' in S. Ken. seems a distinct possibility.

J. M. COMBES.

FORTHCOMING EVENTS

NOVEMBER:
I.C.C.U. Houseparty at Mableton, Kent.—Fri. 1st to Mon. 4th.
I.C.C.C.C. Woodbury Road Relay, 6th.
R.A.C. Veteran Car Run—Sun. 3rd.
1st round U.L. Hockey Cup—Wed. Essex.—Sat. 2nd.
U.L. Revue Society: "Two For The Price of One"—Thur. 7th to Sat. 9th.
Overseas Students' Trip to Cambridge—Sat. 9th.
Lord Mayor's Show—Sat. 9th.
Remembrance Sunday—Sun. 10th.
R.C.S.A. Dinner and Dance—Sat. 16th.
U.L. Cross-country v. Oxford—Sat. 1st.
Blood-donating Sessions—Mon. 18th and Tues. 19th.
U.L. Jazz Nite—Wed. 27th.
R.C.S. Carnival—Fri. 29th.
U.L. Foundation Day Service—Fri. 29th.

SOUTHSIDE SERVICE AREA

"MEDIAEVAL SLUM"

Residents of Princes Gate Mews, at the rear of Southside, who were interviewed by our reporters, complained that despite £120 per year rates, they had an outlook little better than a slum. The principal cause of discontent was the refuse disposal area which was said to "smell like a piggery" and to "rival an African village in its primitiveness." The hostels' garbage, overflowing from inadequate containers, was kept in a repository which was seldom, if ever, shut off from the street and the resulting atmosphere was so obnoxious as to endanger their health and existence. It was also said that of the constant stream of tradesmen's vehicles that delivered to the back of the hostel, many were driven down the Mews at such a maniacal rate as to make the residents fear for their lives.

The College and Hostel authorities were accused of ignoring complaints, or of "passing the buck from one to another."

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I am a greenhouse

Cameron

Dr. Cameron was disturbed by a statement, attributed to him, which appeared in the last issue of Felix. The relevant passage read:—

“Dr. Cameron then went on to say that since so many students take no part in Union or sporting activities, because of the organisation's unwieldy size, the only solution is to start a rival.”

When re-interviewed by Felix, he said:—

“You see, I didn't want to convey the impression that I, as Warden of Tizard Hall, was going to make this Hall into a rival to the Union. What I wished to draw people's attention to was that if some section of the Union were not doing its job properly, then competition would have a beneficial effect.”

Because I am plugging the Hall, it does not mean “ipso facto,” I am against the Union. The impersonalisation of the Unions is the main cause of any malfunction; also, I think many people are deterred by the beer-drinking strongman image presented at Freshers Dinners and elsewhere. The idea of the buttery hour is to get the residents of the Hall together. I hope that if they leave Hall next year they will come back to these gatherings, and will treat this Hall as a second-time home.

At the moment, the staff are very wary of becoming engaged in student politics. We see ourselves as holders of the ring. I personally see myself as a greenhouse, not planting but propagating that which grows within the Hall! It seems to me that I.C. students are reactionary to changes, even if they are for the common good!”

Brian King.



MEWS RESIDENTS AIR THEIR VIEWS

From page 1

One resident said that all he had to show for a prolonged series of such complaints was “an inane letter from the domestic bursar who evidently did not care to bother himself with the matter.”

A further claim made, was that the college had violated an agreement dating back to the time of the proposal for the building of Southside. It was said that the original plans, and in fact, the plans held until recently by L.C.C., had reassured the Mews residents that the Service Area would be on the Prince's Gardens side of the building. The real intentions of the college did not become apparent until the building was completed.

Noise from the hostels was, (surprisingly), not generally considered excessive. Only about 30 per cent. of those interviewed said they were disturbed occasionally by drunken revelry at the closing time of the Ennismore, but regarded it as not particularly troublesome, and anyway inevitable.

One tenant was troubled by the intensity of the strip lighting on the main staircase, another by choir practices.

The residents sufficiently far away from the garbage to be able

to smell Mooney cooking, described it as “not really very nice.”

All residents claimed to have gone through “absolute hell” during the building of Southside: falling bricks and articles of plumbing were apparently commonplace. Broken windows, dented cars, ruined paintwork, all had to be endured, in addition to the noise and dirt.

The appearance of the building was generally considered either fair or good, and certainly an improvement on the bomb site that existed previously. The fact that it reflected sunlight into the Mews was universally applauded.

One gentleman who rented a garage only, for working on his cars, thought that he really had no complaints about Southside whatsoever, and added, “*actually I'm most grateful for it: if it wasn't for the bogs you've got there I'd have to go right down to South Kensington.*”

HUW DAVIS

Small Ads

FOR SALE: 1935 MORRIS 8,

recently re-wired, new battery, passed M.O.T. test two weeks ago, reconditioned engine in 1960, taxed until January 1964. £20 or nearest offer: Apply R. Carrington, 3C.E., via Union Rack.

AN OPEN INVITATION

The idea that having an account with a nation-wide bank like the Midland is something reserved for people of substantial means is a fallacy. So also is the belief that banks are interested only in those who are older and already established. The Midland Bank is interested in YOU — and *all* young people like you. You would find a bank account extremely useful for, besides the convenience of paying bills by cheque, you will find that it helps you to keep track of your expenditure.

Midland Bank

THE GO-AHEAD BANK FOR GO-AHEAD PEOPLE



SCIENCE IN ART

The Upjohn Company of U.S.A. are staging a truly remarkable exhibition at the R.C.A. (behind I.C. Union). Called "The Visual Aspects of Science," it remains open until 2nd November (admission free).

Not only do the exhibits show a beauty of line and form, but they are instructive to all levels of the intellectual scale. The underlying theme of the show is living cells—their structure and function. Particularly clear models, photographs and diagrams of cell contents and biochemical reactions are on view, accompanied by a 12 minute film of the monster model cell that you may have seen on T.V. a while back. The centre-piece is a huge "model brain" which in a simple manner demonstrates the complicated workings of that organ (the unit that works this is quite impressive too when one considers that everyone of us has something of this nature in our own head).

In short, a thoroughly good show (with a free booklet on how the brain works) which no member of I.C. should miss.

PROF. HALSEY



Professor A. H. Halsey, eminent sociologist and broadcaster, has lectured at several American universities including Harvard and Chicago. He is now Head of the Department of Social and Administrative Studies at Oxford and a Fellow of Nuffield College.

In his first of a series of five General Studies lectures, Professor Halsey contrasted pre- and post-industrial society, illustrating the change in attitude from class conflict to strife between the old and the young.

In his second lecture, having condensed Marxist Theory into one sentence (!) Professor Halsey showed how the five fundamental Marxist prophecies are not fulfilled. He finished by saying that Marx is, nevertheless, the sociologist from whom most can be learnt about the development of societies today.

Questions connected with the lectures should be sent to Professor Halsey either at Nuffield College or through the Touchstone secretary.

A. R. CAMPLING.

GARDEN OF EDEN

Wives drink tea and plant tree

By a Staff Reporter
29th October, 1963

"I'm only waiting for it to rain," said the Domestic Bursar, as Lady Falmouth planted a commemorative magnolia tree outside Falmouth Hall. Certainly it was dull, and a little cool, but the ladies of the "Wives Tea Club" were there in force.

Earlier, in the relative warmth of the staff lounge in Southside, the Rector told the ladies a little about Lord Falmouth's efforts for the college, and Lady Falmouth, in her reply, said how much her late husband loved I.C.

After the ceremonial planting, 2-year old Louise Weale, daughter of Warden Weale and his wife Carol, presented a bouquet of red roses to Lady Falmouth.

At an exclusive interview with Felix Lady Falmouth had this to say: "It's all very interesting, and the recreation rooms are so good; also they do need using, don't they?" and added, "for myself, I'm old fashioned, and don't like the modern design, although its very good of its kind."

Altogether it was a great success, although one horticultural was heard to say, "wrong time of the year for transplanting, it won't grow."

Incidentally, should the magnolia survive 18 British winters it should flower.

DEBATING SOC REVIVAL?

from our own Correspondent.

After three weeks of caretaker Government, the debating society has a new committee. A mere 57 students were present when Gordon Hall, formerly of Cardiff University, was elected President. In a straight fight with Communist sympathiser, Frank Foulkes, Hall polled a large majority. The exact figures, however, were not disclosed. Union President Dave Watson and thwarted Foulkes are among those who will form the new committee.

Hall, a garrulous Welshman if ever there was one, quickly called his first committee meeting. Later he said "we want this society to be taken seriously. It should be the voice of the union." Among his proposals are evening debates. "This will allow more time for speakers on the floor" Hall said. He then suggested that the garbled and hurried lunch time debates of the past had contributed to the disruption of the Society.

Final word from Union President Watson: "It's about time this thing was put on its feet again and Gordon Hall is quite capable of doing just that."



The Head-gardener and the Rector watch Lady Falmouth plant the tree

EIGHT PICTURES ON LOAN TO IMPERIAL COLLEGE

Abstract paintings are admirably often able to command one's enthusiasm, seldom dismissal. The new student hostel at Princes Gardens has eight abstract paintings on loan. In the lower students' common room Frank Avray-Wilson's large almost monochromatic painting of both vital and interesting organic forms; very well suited to the position; it enhances the room. Two other paintings by the same artist are in the upper students common room and snack-bar. The first a smaller blue painting explores the two dimensional canvas with great charm. The second is near the snack-bar counter painted with reds and siennas; a feast of colour and paint drawn with care, purpose and dramatic statement.

Entirely different, is Brian Fielding's painting in the students dining room. This large decorative painting has colour which, applied in natural elegant shapes is economically balanced. The appeal of this picture is enormous and requires the larger area of the dining room for viewing. Another painting by the same artist is just inside the entrance, near the stairway to the upper students common room. It does not, unhappily, suit its cold concrete wall surroundings. The painting has broad curves, painted in thin blue-green, leaving a lot of the canvas white. In the upper students common room Brian Farmer's small, forceful and simple painting is more plastic in approach than the other paintings reviewed so far. His shapes are simple having little organic movement, but are powerful none the less. Another painting in the east staff common room by the same artist in the idiom of the last painting spoken of, uses a simple plastic shape in charcoal black. Having no texture, the paint is evenly applied in tight, isolated areas. These paintings are particularly suited to the interior design.

The new student hostel at

Princes Gardens is well worth a visit to see these interesting pictures by four of our younger promising artists. The architects are to be congratulated on their foresight in asking the Redfern, Zwemmer and A.I.A. galleries to loan one or two pictures. It would be a good idea to give artists the opportunity to show here and give the students the chance to recognize the artists of today. There are at present two shows of our foremost abstract painters in London: Rodrigo Moynihan and Donald Hamilton-Frazer are both distinguished artists. Would it be possible to see some of their work in the new building?

CONNIE FENN.



A South side picture. Which way up?

Connie Fenn is a private artist, and ex-scholar of the Royal College of art. She is tutor to the I.C. art club.

THE DEBATING SOCIETY is on its feet WATCH THE BOARD FOR DETAILS

dear sir...

The Editor,
Felix

Dear Sir,

I am prompted to write this letter only through sheer force of circumstances. After reading in the latest Felix that a survey is to be made on dining conditions, I feel I must get my spoke in as a mere Fresher.

My main complaints concern the lower refectory in the Union Building.

1. FILTHY glasses.
2. Cutlery semi-washed.
3. The flat plates on which the puddings are put radiate heat quite efficiently. Result: cold.
4. Not enough large trays for soup-lovers; those of us who are not trained jugglers are liable to be dogged by the smell of soup for the rest of the afternoon.
5. The servers look and talk as if they have "STOOD ENOUGH CHEEK from YOU," especially one who will not allow anyone to wait for fish, and another who puts peas beside all the fish and becomes offended if one wants anything else.

6. Inpenetrable sausages.
7. Chairs which knock everyone else's elbows.

8. Inpenetrable sausages. Also those jolly little Swedish forks in the south-side place chew up the palm of your hand.

Yours faithfully
D. D. WILLIAMS,
Physics I.

Dear Sir,

Many readers may not have heard of the RCS Electronics Groups. This group is a branch of the Maths. and Phys. Society and covers all interests from Radio Control to hi-fi.

Last summer it was decided to receive, and possibly track, future Russian satellites. A receiver capable of this has been built and is working. However, since the last of the "Cosmos" series of satellites was launched some time ago, and there has been nothing since, it may be that there is another spectacular development due soon. If this happens an emergency meeting will be called as any information gained on the first few passes of a new satellite is valuable.

Anybody who is interested should come along to the next meeting, or contact B. Ray, Phy. 3 (Weeks 25).

Yours sincerely,
B. RAY.

Sir,

I wish to raise the issue of the publications of this College. Your own paper might be better were it printed with greater care and were the countless irritating mistakes rectified; even so it is on the whole dull.

But what of Phoenix; it appears irregularly, costs the Union a great deal of money and has very little to recommend it. Only the layout and in the past the cover designs (these too alas have gone), were interesting. The poetry is crude and astonishingly artificial while the prose suffers from the same faults; few of the things in it deserve to be in print, even in Phoenix. The literary standard is so low that I can see no excuse for its continued publication.

Yours,
Pseudo.

Why not do something about it?
—Ed.

Dear Sir,

May we appeal through your columns to the mass of non-fanatical students to contribute their share to Imperial College spirit.

Very shortly many societies and clubs will be starting competitions against other colleges for University trophies, e.g., debating, football, hockey and rugby, and the presence of a large number of "supporters" (even though the technicalities may baffle them) adds enormous incentive to the people who take part and spend hours of their time practising and preparing.

All events are well published and, in the case of clubs, free coaches take people to and from the grounds. So there is really no excuse—support your Union because it is your Union.

Yours hopefully,
A. D. Havard
(Capt. I.C., R.F.C.).
N. Price
(Capt., I.C. A.F.C.).
M. K. Peters
(Capt. I.C., H.C.)

Dear Sir,

Strange Happenings in South Side?

In view of the new regulations published recently with regard to discipline, we should like to know for what nefarious purpose one of the esteemed wardens of a South Side Hall was wandering around Princes Gardens at dead of night wealding a large brown mattress? Later on a blue bedstead was found draped over the newly-planted magnolia tree, causing much inconvenience to the only dog resident!

Yours, etc.,
Residents of South Side.

Dear Sir,

As the annual turnover in members of the Union is about one-third, no issue can be deemed closed as you have recently suggested ("Felix," 194, 16th Oct. 1963), and certainly not that of the election of the President. If a decision against the election of the President by the individual members of the Union was taken three years ago; then few remain today who had anything to do with that decision.

Further, I fail to see what is wrong with "the popular hero being swept into power;" it is, after all, the goal that most would-be civilised communities have been aiming at for at least two centuries. Most other student unions in the country manage their affairs at least as well as we do, even though operating under such a crushing burden.

You write "it seems fit that Council, who appreciate the duties and responsibilities of a President rather more clearly than the average student (sic), should elect him" and then in your editorial refer to "those in the positions of highest authority that turn up night after night in an advanced state of inebriation": if these statements come from one and the same person, like H. G. Wells, I find myself "at South Kensington, lost and dismayed at the multitudinous inconsecutiveness of everything."

No, sir, there is no justification for the present method of choosing our President which counts half as much as the principle of accepting the responsibility of the average student. If it could be shown that our Presidents, in the year prior to their office, are schooled to take over the administration, then I could see some sense in the method, but this certainly did not happen for the past two Presidents at least. Again, I would concede some validity in the system if the men it threw up were exceptionally able Presidents, leaving behind them a Union more vigorous, more relevant and with substantially more people participating in its affairs than when they took over; need I say more on this?

It would be fatuous to imply that popularly elected Presidents would be giants amongst men, but that they would carry out their duties as well as those elected by the present method cannot be refuted. Your editorial mentions the declining power of the President and the Union vis-a-vis the College authorities, and yet you fail to see that a President elected by the whole student body would be endowed with far more significance. At the moment, who can the President claim to represent?

Finally, any President, however selected, must have the Executive behind him, must plead his case in Council whose decisions have to be ratified by a Union General Meeting, before he can achieve anything. If any stupid decision can get through this series of

checks, it can do so now.

A student of 21 years plus is considered fit to take part in the election of an M.P., yet you would deny him an equivalent right within Imperial College Union. Does Dave Watson really feel he is more validly the President because he was elected by Council rather than such obviously unworthy characters as you and I, sir?

Yours faithfully,
LES MASSEY.

2134 Homecrest Avenue (C-8),
Brooklyn 29, New York.
September 3, 1963.

Sir Patrick Linstead, Rector
Imperial College of Science &
Technology,
Prince Consort Road,
London, S.W.7.

Dear Sir:

May I return a favor?

Recently, when I was a chemistry student at the University of London, I enjoyed the friendship and hospitality of many English students as well as those of other nationalities. They made my stay in England a very pleasant and memorable one.

Should any of your students have occasion to visit New York or to study in the United States, I would be delighted to offer any personal service within my means that might be of help to them.

To avoid any possible misunderstanding I am neither a bank president nor a hotel owner but simply a young college graduate who has spent several years working and studying in England, Spain, Germany and France and who would like to return some unsolicited favors and hospitality extended to him.

Faithfully yours,
SIDNEY SIMON.

Sir,

On behalf of all those concerned in the production of the Late News supplement on 16 October, may I say how grateful I am that it met with such a good reception in the College.

An apology is due to many buyers of "Felix" who failed to receive the Late News supplement. Being a new venture we were doing a trial run of 700 copies. I am afraid that there were many writing errors, and I hope readers will excuse them in view of the fact that we lacked good, quick typists for preparing our Gestetner skins.

A number of changes have supplement for this and future been made to the Late News issues: its production is increased to 1,700 copies and it will be distributed with "Felix."

Yours faithfully,
IAN WILLIAMS,
(2nd year Botany).

Keogh Hall, S.W.7

Dear Sir . . .

(Cont)

Dear Sir,

There are no grounds for saying that I.C. membership of the N.U.S. is a dead topic, etc. etc.
SEAN DUNNE.

Unfortunately not! Gentlemen like yourself will continue to bring it up.—Ed.

P.S.—Anyone wishing to read the rest of the above should apply to the Editor.

Sir,

I felt that the banner headlines used to introduce the report of the visit of H.R.H. Princess Margaret and Lord Snowden showed a distinct lack of good taste. They were all too reminiscent of those used in the more vulgar parts of the British press, and as such they were "cheap" and sensational.

Members of the Royal Family possess titles. Certain abbreviations and omissions are accepted. "Maggi" certainly does not enter into any of these categories and so should not have been used.

The Felix Board shows certain inconsistencies in the material which it prints. On page two of the same issue a certain N.J.W. criticised students, and rightly so, for being slovenly when Her Royal Highness walked past them. Before levelling criticism at others, however, the Board should put its "own house" in order.

Felix is published by, and for the most part bought by, members of Imperial College. As members of this College they possess certain academic qualifications which make it unnecessary for the College Newspaper to indulge in such sensationalism. The Board, by using such methods, will lower the standards of Felix even further. In the long run it stands only to lose.

Yours faithfully
Botany III.

But what if it sells?—Ed.

THEOSOPHICAL

REINCARNATION

A grand total of eight people turned up at the Society's first meeting this term to hear Dr. Lester Smith, F.R.S., thinking aloud on a scientist's view of Theosophy. These eight were treated to a unique and stimulating talk on meditation, reincarnation, theosophy, and science. A fascinating discussion followed, and I for one was suitably impressed. Further meetings of the Society will be on Buddhism, Christianity, Hinduism, and Islam.

PETER RIDING

QUOTES OF THE WEEK

"I'm very good with vicars . . . I've had more experience with vicars than you've had hot dinners."
—The Captain of Golf.

"It's not so cold really."
—President of Mines.



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EDITORIAL

MORPHY PAST

Traditionally a boat race, but more recently an excitable uncontrollable rabble causing inconvenience and often distress . . . *two old ladies in a car terrorized, another knocked down . . . a small boy's balloons deliberately burst, barriers smashed, traffic delayed, cars turned round*; these are pages in the history of Morphy Day. In an interview with a prominent member of the Guilds Union the terms *mob rule* and *sadism* appeared before a more satisfactory explanation was put forward. What is the motive force behind Morphy Day? Ostensibly it is to watch the boat race; it starts off as an innocent brawl on the tow path, the boats pass, but interest is remote; few even recognize their own crew. Then comes the dangerous process of releasing the tension that has been fanned and inflamed for weeks in advance; it is here that the principles of "safety in numbers" and "mob rule" emerge. *Taking refuge in the unruly horde, students set about causing as much damage and inconvenience as they can safely get away with.* On the way back from Putney the game of cop and public baiting is used to pass the hours till tea.

MORPHY PRESENT

It is difficult to see what the real purpose behind all this so called sport can be. After much discussion with the Guild's Vice President the reason was finally put forward as "an occasion to induce and maintain a strong cohesive College spirit." More recently the two Presidents (RCS and Guilds) had clearer ideas. While strongly deploring the irresponsible nature of this misdirected nuisance value to the public, Bob Schroter opined that the boat race and support thereof should be the motive; "Guilds will be easily recognizable this year" he said; a step in the right direction. Chris Tye, no oarsman, more realistically decided that the race has for a long time been little more than an excuse, but that the energies of the students must be more strictly controlled.

MORPHY FUTURE

It seems that the era of beer drinking college executives is passing, and that rather deeper thought is going into the planning of such occasions. Unlike the Carnival Rags where publicity is the aim, Morphy Day has no such end in view; any publicity it has obtained in the past two years can only have been for the College, and unfavourable at that. It is time that this uninhibited unpleasantness was taken in hand—it seems that this year's executives have recognized the problem; it remains to be seen where they will lead, and whether the students will follow.

FELIX

NEWSPAPER
OF IMPERIAL COLLEGE UNION

Circulation, 1700

Editor: J. M. Combes

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Jo Smith—Sports Editor
Peter Riding—Social Editor
Ian Williams—Stop Press Editor
Edward Babb—Stop Press

Printer

Roger Henson—Publicity

"OBSERVER MISQUOTES REGISTRAR"

A statement in the "Observer" attributed to the Registrar of the College might have given a misleading impression about numbers of candidates. In fact, the Registrar informs me that total number of applications for admission to this College was little different from last year and the number of places which finally remained vacant was, as usual, a very small fraction. What was surprising was the shortage of candidates during the clearing-up process which takes place during September, when this year it has been more difficult to fill last-minute vacancies.

ANTHONY CAMPLING

Southside Seeker



HALLS, LIKE FELIX, SWINDLED

"I've got a bird keeping me supplied with drinks"—was it you who said that? Remember where you said it? Yes, that's it. At that party in Tizard Hall. The only place in College that was offering free beer to those ingenious enough to dodge the security system. At least, that's how your thoughts were running. O.K., so there were others there too, up to the same racket as you. Like that fresher who sourly set about stealing 3½ pints. and the 2nd year type who breezed in—and straight out again with a bird and a flagon. Just remember that there were some—about 200 in fact—who thought it worthwhile to pay 10/- to go to that party. What's that? Little did they know that they were paying for you as well?

Oh yes, very humorous.

Felix lost nearly FOUR POUNDS in the sales of the last issue which sold out. This represents a 20 per cent. loss in sales revenue.

TROUBLES

South Side's iron cow is having labouring difficulties.

Certain curtains in the new Halls of Residence have been found to be incompatible with their rails.

Beards should flourish at South Side with the absence of menacing electric-shaver points.

South Side should increase the popularity of the College doctor, with particular respect to broken legs: one's sense of balance is sorely tested on the slip-mats in residents' rooms.

"WHICH WAY TO SOUTHSIDE?" . . . asked a gentleman last week at the Weeks Hall entrance. Assuming the enquirer to be on foot the answer was given "first left and straight through." The Southside seeker climbed into his Consul and did just that . . . through a wall.

Short Takes

"FELIX ENTERS THE SPACE RACE (from the *Guardian*, 18th Oct.). A French cat named Felix was sent into space today and returned intact. (Naturally).

CHEM ENG SOC DINNER

This year's guest speaker at the Chem. Eng. Dinner will be Tom Margerison, scientific correspondent to the Sunday Times and free-lance T.V. personality.

NO WORD FROM THE RESIDENCE

When a Felix reporter attempted to interview Mr. Mooney recently, he was refused audience on the grounds that Mr. Mooney was too busy during the week, and at weekends the great man liked to get away to his house in the country.

SQUASH COURTS

It seems likely that I.C. will obtain the use of one and eventually two courts in Judd Street, near ULU.

GESTETNER DUPLICATING

This will be done by the Felix staff provided that the skin and paper is prepared. A small charge of 2s. 6d. per 500 copies will be instituted. All enquiries to Late News Manager Edward Babb.

COUNCIL MEET - it's money again

IT'S MONEY AGAIN AT COUNCIL

The first Union Council meeting of the session was held on Tuesday 22nd October. The dire state of Union finances was the subject of much discussion; investments had been cut which in turn will lower income and the position will not improve until more money is forthcoming from the college. This led to the main discussion of the meeting.

GUILDS BROKE

Bob Schroter, President of Guilds, asked for a supplementary grant of £70 for Guilds. He explained that the money in the Union was very short indeed; a new club had been formed, general costs had risen, and money saved for re-equipping clubs had been used for other purposes;—for example the Boat Club had had no new oars since 1946 and it was doubtful if the old ones could be used for Morphy Day. Chris Tye, R.C.S. President, pointed out that R.C.S. funds were more healthy and suggested that greater savings could be made in Guilds. He thought far too much money was spent on social functions. Nigel Gravette, Mines President, reiterated Chris Tye's remarks. Dr. Weale after financial calcu-

lations found that C. & G. did not receive such a fair proportion of money as the other colleges. The President commiserated with Guilds but also said that all should live within income if humanly possible. After further discussion the supplement was passed.

NO NEWS

Also discussed was the lack of I.C. news in Sennet. It appears that it is impossible for anyone in I.C. to contact the person concerned in Sennet. News is sent in but nothing is printed. This prejudicial attitude of Sennet is difficult to fathom. I.C. is one of the largest Colleges in the University but it has one of the smallest "items per student" ratio in the paper.

PHOENIX-IN THE BALANCE

Phoenix, the President informed Council, is in a serious position. Recent issues, he said, were unsatisfactory, with worthless content and lack of competent management. It is to be radically altered. Phoenix will no longer be a literary magazine but a Journal of the Union and Union affairs. There will be an issue at the beginning of next term and if this is not a success—financially and in content—publication will cease.

I.C. MASCOT

Among other points discussed were more telephones for South Side; the Refectories—much of the trouble here could be improved if more staff were available; the Sports Centre—the earliest completion date is now October 1965; and the I.C. mascot. This, apparently, is a bird named Phoenix which roosts in the President's Office.

N.J.W.

**minds
that
can
reach
new
frontiers...**

**have a
great future
with...**



If you would like to know more, write now to:
The University Liaison Officer, 3A45
Central Electricity Generating Board,
Buchanan House, 24/30 Holborn, London, E.C.1.



An industry whose rapid expansion assures a challenging and exciting future, the Central Electricity Generating Board offers graduates wide scope for research and development in an extraordinary diversity of fields.

A system which demands that the Board's output shall double every nine years, and capital investment greater than any other single organisation in the United Kingdom (at present around £300 million annually) make a long-term research programme of the highest importance.

We are looking for the graduate who wishes to embark on a new line of research and to make his own personal contribution to this programme.

There are vacancies for **Physicists, Metallurgists, Mathematicians, Chemists and Engineers** in both fundamental and applied research. The fields covered include solid state physics, nuclear instrumentation, fluid dynamics, high temperature chemistry, fuel cells, behaviour of materials under extreme conditions and many others. The most up-to-date equipment is provided and staff are encouraged to publish original work.

There are also opportunities in the operational side of the industry where a two-year training scheme is available for Electrical and Mechanical Engineers and Physicists.

DEPARTMENTAL NEWS

Engineering students distressed or disillusioned by the cold impersonality of their work, will probably be heartened to hear that the Mechanical Engineering Department at least, have produced a device of direct and undeniable benefit to a section of mankind. Dr. Swanson has designed and developed a mechanism that will be of considerable assistance to the wearers of artificial limbs. Until recently the different terminal appliances that can be attached to artificial arms to carry out various possible motions of the human hand could only be exchanged by the wearer with some difficulty. With Dr. Swanson's design the operating mechanism engages or disengages itself automatically, and with a minimum of effort.

Professor Spalding, also of the Mech. Eng. Department, is working on an improvement in the design of cooling towers which he hopes will save the Electricity Generating Board £120,000 on every new power station built. This saving is to be brought about by modifying the shape of the air-intakes at the base of the towers. The improved air flow which results, reduces the height to which the water to be cooled has to be pumped; the overall reduction in the cost per foot of reduction in this height is of the order of £40,000.

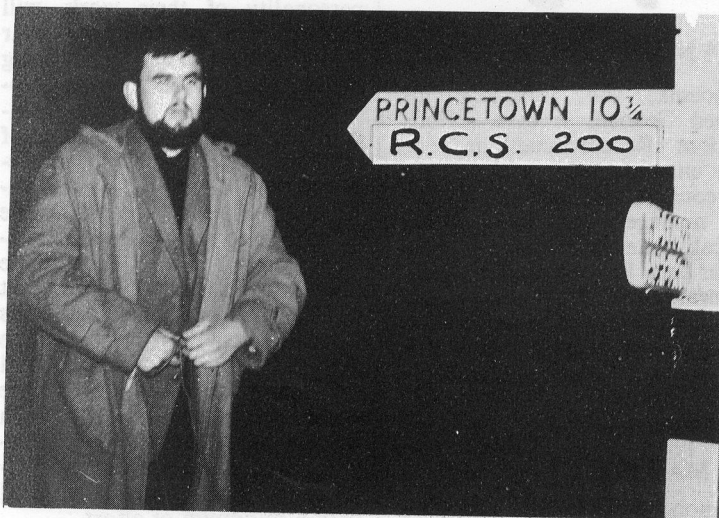
Dr. DeMalherbe is carrying out valuable research on the internal combustion engine in collaboration with the head of the Mechanical Engineering Dept., Professor O. A. Saunders. He is making measurements on the thickness of oil films between piston rings and cylinders and of the variation in temperature in the cylinders. His main concern is to determine at what temperature and under what circumstances the oil film breaks down, a factor which has an important bearing on the life of an internal combustion engine. The measurement of the temperature is necessarily a tricky procedure, and Dr. DeMalherbe has developed two devices for the purpose, both of which have been successful. One of these is a form of "platinum paint meter" which utilises the variation of resistance with temperature of a very thin film of platinum painted on the inside of a cylinder. The other is a new form of thermocouple on which Dr. DeMalherbe is to publish a paper shortly.

WELLS SOCIETY

APOLOGISES

After complaints concerning the way the Wells Society went about forming itself, officials of the Society saw the Union President. He told them that their action had been wrong, and that they should write and apologise to the S.C.C. Chairman, and then apply to the S.C.C. in the usual way.

'BY TYE



MY HOLIDAY JAUNT

by Chris Tye, President of R.C.S.

Although I am a native of Devon it was with little enthusiasm that I recently paid an involuntary return visit.

By luring me into the room of the vice-president of Guilds, under the pretext of discussing Morphy Day, ten brawny and ill-mannered Guildsmen captured me.

I was kept in Falmouth Hall for seven hours, during which R.C.S. decided that whilst I could look after myself "Theta" needed looking after with the tender and loving care to which he/she/it is accustomed.

I was tied up and having been clothed and fed they carried me to a waiting car and wedged in the back seat. I had no idea of the intended destination of the vehicle, but as the distance from London increased I became more annoyed "surely they can't be stupid enough to take me further than Salisbury Plain," I thought, but being engineers they were and they did. On the way I was fed again and at about 11 o'clock I was released about twenty miles from Exeter in the middle of Dartmoor.

A car soon came along, and stopped. A torch shone in my face—it was the cops. They asked what I was doing. "I'm going to London," I replied, and explained the circumstances. They took pity on me and gave me a lift, mentioning that they were out looking for two escaped convicts from Princeton Jail, who were on the run.

All too soon our ways parted, and I found myself alone again. Another lift for four miles or so, and then on by foot. Whilst I trudged on, I thought of all those old jokes about stranded commercial travellers knocking at lonely farmhouses and bedding the farmer's daughter. How I longed for the farmhouse and the daughter.

A few more lifts and by four o'clock I was 9 miles from Ilminster. I used to have a girl friend

there and I was inspired to walk on. By 7 o'clock I was two miles from Ilminster and completely shattered. But soon I got a lift to Camberly on a truck, and from there three trips got me to Queens Gate by 1.35 p.m. on Wednesday.

And so to bed, but not for long, there was a Fresher's Dinner in the evening. Schroter had the courage to be a guest at the dinner but, for some reason didn't appear in the bar afterwards..

Well, what was the result of the affair? For me, it was a loss of two days work and a night's sleep and the gain of many blisters. For R.C.S. it was a spoilt Union meeting. For Guilds—I wonder. Presumably they considered this to be a great success. Was it? It needed little skill and it involved them in an expense which they will find it hard to justify. The idea was not original; four years ago the R.C.S. President was captured and deposited at Stonehenge. I think the whole affair was futile and ridiculous. I feel that inter-college rivalry should be generated in ways which don't involve personal inconvenience.

CHRIS TYE



Thought for the day

A MESSAGE FROM THE EDITOR OF PHOENIX

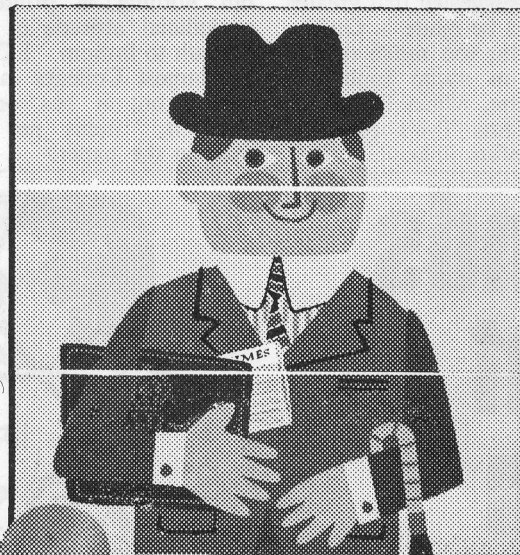
As many of you are doubtless aware, this College maintains two publications. One is this newspaper. It paints a daily portrait of life and activity, giving news, information, and comment. As may be seen from its first two issues this year, it is at present virile, amusing and intelligent.

The other is Phoenix, the Journal of Imperial College. It aims to reflect the College; its attitude, its problems, its interests, its recreations. The content should be a kaleidoscope of thought and opinion; the broader the spectrum of subjects it presents, the more faithful the image it creates.

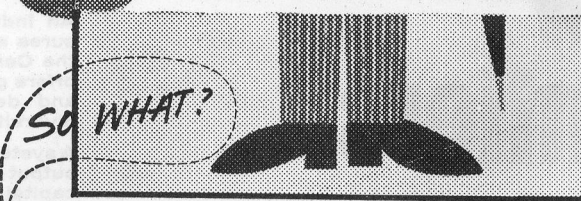
Unfortunately, on occasion Phoenix has tended to lose touch with those it represents, something for which the editors cannot entirely be blamed. No handful of people, however talented, can sustain the interest of the majority. To maintain its existence, the Union journal must be nurtured by the Union. More than any other magazine it is communal property, and a communal product. I hope you will help to continue in this tradition.

MEN OF OUR HALLS.

Sir Henry Tizard (1885-1959) after gaining a 1st in Chemistry, took to flying. Before the War he was appointed chairman of the Aeronautical Research Commission and he supervised the development of improved fuel, radar, the eight-gun fighter and the jet engine. During the years (1929-43) that he was rector, the college became more closely knit, and expanded academically. On his retirement he became the government chief adviser on scientific policy, so that he was responsible for the country's technical development into the fifties.



Four-fifths* of
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take THE TIMES



So only this: these particular Top People must keep themselves fully and widely informed. They must be aware not only of happenings in their particular field, but of discussion and comment on questions of the day, international news, politics and the arts. For all this, they turn to THE TIMES.

You may not want to be a top civil servant: lots of people don't. But the same is true of top dons, top businessmen, top politicians. Whatever kind of top person you hope to be, it's not too early to get in training now by taking THE TIMES regularly. Especially since, as a student, you're entitled to it at half price: ask your newsagent or write to THE TIMES Subscription Manager.

*The exact figure is 85%. We are aware that this is a little more than four-fifths: please do not write to point this out. Do write, however, if you would be interested in an account of the research which produced these and many other revealing figures. Who are Top People? What do they think on the important issues of the day? Write to The Times (Department SP), Printing House Square, London EC4.

GUILDS v. R.C.S.

To-day is Morphy Day, and this is one day in the year when brown bags are dropped, and blue ink stains are washed away in the crystal waters of the Thames. As usual, there will be the two boat races, the Lowry Race, and the Morphy Race, both in the same general direction (the coxs permitting). Meanwhile on the banks of the Thames, a large number of Guildsmen will engage in moral combat with a similar quantity of R.C.S. This year the excuse for the punch up will be nine rubber tyres, which will be casually dumped exactly half-way between the two bands of gentlemen.

Guildsmen are asked to assemble just inside E1 entrance at about 1.30 p.m., dressed in suitable tear-off-and-throw-away clothing.

After a short lack-of-tactics briefing from General Jones, lisped in dulcet tones through a small megaphone, the party of some 300 Guildsmen will visit a local L.T. Station, with a view to using public transport. We shall ultimately arrive at Putney Bridge, after maximum sport on the train, but with zero annoyance to sporting Londoners who will also have paid for their tickets.

After marching past the Boat House, we shall continue to the Field of Combat. Our President will descend from his Hors de Combat, and insert a large custard pie in the face of the enemy. **Custard is not easily removed from Chris Tye's beard. This is the signal for the affray.** The President's car needs those tyres, so we must win! When the boats go past, cheer loudly, give all your support to the Guilds boat. Then they'll row even faster.



LONDON-BRIGHTON VETERAN CAR RALLY-THIS SUNDAY

This is Bo's big day. With all his brass-work gleaming, he'll be in Hyde Park ready to roll at 7.0—7.30 a.m. Many people go down to see the cars leave—in pyjamas even! T.V. and Press will be there, so come and cheer Bo as he leaves. A coach or two will be leaving for Brighton, following Bo down, and giving support to our good drivers. There is a luncheon arranged on arrival in Brighton.

LORD MAYOR'S SHOW

Sat., Nov. 9th. We have a patch of pavement halfway up

Ludgate Hill. Last year about 80 Guildsmen stood on this patch, and enjoyed themselves, throwing pennies into the bells of Tubas, thereby stopping sound (and music) from leaving the instrument. This year there'll be a dozen Spanner-Age Cavemen engineers from Guilds on one of the floats. If enough money is thrown at our Cavemen, they can club together and get something. We'll start off from E1 at about 10.00 and see this historic pageant.

ARCHITECTS EXPLAIN

Tizard Hall, so far the only active South Side hall, organised a meeting with the Assistant Architect, Mr. Mullins. In answer to a question about the bare concrete finish, he said that it was deceitful to conceal the basic construction; also it is reassuring to see what is holding the building up. When Dr. Cameron asked if he would like his own house to be finished in bare brick he replied that his bathroom was the only room that was plastered. It was pointed out that the board concrete finish is just as expensive as a plaster finish because better quality concrete had to be used. **The little holes that are scattered so profusely around the walls are not ash trays as many people supposed, but are for decorative purposes.**

The L.C.C. Means of Escape committee refused to allow wood shuttering in the entrance halls as this was an additional fire risk, hence the asbestos notice boards. They insisted on the balconies around the gallery floor as an additional fire precaution. These balconies have an annoying habit of reflecting any intimate conversations straight down to the residents of the mews, so beware!

The size of the galleys was criticized but apparently the col-

lege wanted students to do most of their cooking in their rooms. Since then they have obviously changed their views and have forbidden students to cook in their rooms, but have forgotten to increase the size of the galleys.

Everybody approved of the colour schemes throughout the halls except one student who has a blue counterpane, a green carpet, a grey chair and a fawn curtain.

A. J. OXLEY

COMMENT

There are many Iraqi students in this country, including a number at this college. It seems that some of them have had their grants cut or stopped, not because of academic reasons but because they or their parents are alleged to hold political views differing from those of the Iraqi government. It is difficult to find out any more details as the students (possibly not wishing to draw reprisals) are unwilling to discuss the matter. If individual British students at this college went to the Embassy in Queens Gate and asked to see the Cultural Attache, some light might be shed on the whole affair.

In a Felix report of Princess Margaret's visit, £4,000 was said to have been the cost. This money was presumably spent for the benefit of the college, since H.R.H. cannot have gained much from the experience. None of the occupants of South Side, or members of the college that I have spoken to seem to feel better for the money spent on their behalf, and one fears ultimately at their expense; the Rector doesn't look very happy in the photo either.

It is said that Nigel Gravette is making plans for "dealing with the bloke who sells the Daily Worker outside the Union." Mr. Gravette is perfectly at liberty not to buy the paper; it seems impertinent to take it upon himself to protect the rest of the union from the Daily Worker sellers' pernicious influence. It is certainly not the business of the President of R.S.M. to interfere with someone not on union premises, and if Mr. Gravette fancies himself as a defender of the Free World, he should not try to limit the freedom of a political opponent to express his views!

IMPERIAL COLLEGE EXPLORATION BOARD Expeditions, Summer 1964

In recent years requests to the Exploration Board for grants to support expeditions have been outstripping the available funds. This session the Board proposes to support fewer enterprises than in recent years.

To save organisers of expeditions unnecessary work in preparing proposals in great detail, when there may be no chance of their obtaining support, a meeting will be held in the middle of November to discuss preliminary proposals for expeditions. These should be submitted as soon as possible to the Board's Secretary (Mr. P. F. Taylor, Department of Civil Engineering) and except for the financial estimates need not be in great detail.

A further meeting of the Board will be held before the end of the term to allocate grants where appropriate.

COUNTER-COMMENT

by B. J. Bull and P. Airey

I know that Mr. Fuchs is regarded with not a little humour in the College and that some of us tend automatically to laugh at the views he expresses. This week however, I find myself in the happy position of being in agreement with him. Perhaps this is because his comments are not controversial. Nobody I am sure, will disagree that the Iraqi Students are getting a raw deal, if the rumours Mr. Fuchs mentions are true. He ought however, to have quoted his sources of information before trying to throw the might of I.C. against the Iraqi embassy. With a bit more concrete evidence, Mr. Fuchs would find me, and I hope, the rest of I.C., on his side.

It is amusing to read the words *freedom* in connection with the Daily Worker. Two or three years ago, the then Editor of that paper (now in the salt mines?) gave a short talk on Britain under Communist rule at the end of which were the inevitable questions. One person (stooge?) asked if the freedom of the press would be maintained—the reply was as follows:—“Yes, the freedom of the press was guaranteed; we would not suppress any paper unless necessary” . . . Clapping from front row (more stooges?). It is time those pseudo Communists who support the Party realised what they are helping to build . . . It will not be enough to say “We did not realise” . . . (as Mr. Nehru of India). The infiltration of Communism must be fought at its roots.

(The views expressed in this column are not necessarily those of the Editor.)

GUILDS

UNION OFFICES

Opening hours, 1.15-1.45 p.m. except Weds., Sat. and Sunday.

Guilds Mail — Guidance Bureau — Ideas Pool, etc.

. . . and don't forget Morphy Day this afternoon. Didn't you see it advertised on TV last week?

GORDON LOWES

THE IDEAL SPORTS SHOP

GOOD DISCOUNTS FOR
ALL I.C. MEMBERS

21-23 Brompton Arcade,
Knightsbridge, S.W.3

KEN 4494/5/6

Schroter reviews the Unions

I feel very strongly that the constituent colleges' unions are and should be the cornerstone of the I.C. Union. At the beginning of every year the same questions are raised, is the constituent college union essential and is it guiding student activity in the right direction? Many at I.C., both staff and students, argue that Union Officers are complacent and that our activities are childish and ever debasing. Those that level such criticism are not, in my experience, appreciative of the myriad of things done for them at Imperial nor prepared to take the opportunity of truly widening their experiences of life.

YOU AND YOUR UNION

The Union exists to provide camaraderie amongst students and to offer social, recreational and sporting facilities which would otherwise be far beyond the reach of its members. It must be realised that at no one time can the Union cater for the interests of all its students but its opportunities are always open to those who genuinely seek them.

SPORTING COMPETITION ESSENTIAL

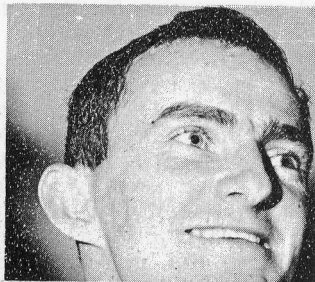
In this picture the constituent college union plays a very important, but, all too often, overlooked role. The I.C. Union sets out a very broad network of general interests which the college unions complement with societies such as the Engineering Society, the Maths and Physical Society, and the Motor Club; these societies are intended to broaden the outlook of the engineers or scientists beyond the point where their academic courses leave them stranded. Sporting competition is essential to the three colleges and despite the apparent disparity in size between Mines, R.C.S. and Guilds, keen enthusiasm and rivalry exists between us. That this spirit is carried over into the I.C. teams is well known. Surely in a unit so large and impersonal as the University of London intercollegiate rivalry in Imperial College is to be sought after.

I LIKE SPORT

In recent years the autonomy of the Union has been considerably reduced by administrative and academic staff. They have held the opinion that students are neither responsible enough nor sufficiently mature to manage their own affairs in all spheres. This trend must cease and things must return to the state where students capably control their present and future. To this end

PHOENIX NEEDS YOU

All budding bards
should bring their works
to
403 CHEM ENG
at 1.00 p.m. on any
Monday
— before 2nd December —



we as students must prove our competence as mature thinking people. I would be the last to decry "sport" genuine high-spiritedness is very much an essential part of our enjoyment while at College and something which will always be remembered. But, the line must be drawn between this and actions which cause acute embarrassment to the general public and do nothing to promote the good of Imperial College.

I trust that the collegiate system at Imperial will always be the focus of our social life and that the ever increasing numbers living in residence will do their utmost to ensure this. I don't know of another college of university in England more packed with capable people.

FILM SOCIETY JEAN COCTEAU AND SERGEI EISENSTEIN "DEATH IS LIFE BACKWARDS"

This term you will have a chance to see the most important films of two men whose work to create a new art of the cinema has made their films classics.

On November 8th, at our next show, you can see "ORPHEE" directed, produced, and designed by Jean Cocteau, who died earlier this month aged 74. He worked with Diaghilev in Paris on numerous ballets in his youth. Later he wrote and produced plays and eventually made films. He was a poet from his earliest years—"poet" applied in its wider interpretation as "creator," not only in literary fields but in drama and dance like the early Greek poets.

"Orphee" is one of Cocteau's greatest achievements in any field. It contains a considerable amount of autobiographical material. All his life Cocteau was obsessed by the love of death "for death is only the reverse of life." The story of "Orphee" concerns a poet's struggle between his love of Death (personified as a Princess) and his desire for life (for his work and Eurydice, his wife). It is the key to Cocteau's attempt to explain the nature of man and poet and his belief that life is only a short space of time between one death and the next.

Film is particularly valuable medium for Cocteau because his writing is often difficult to translate with any fidelity and therefore must remain virtually unknown outside the French language.

"Orphee" contains a stronger

T.V. TUTORIALS *brainwash*

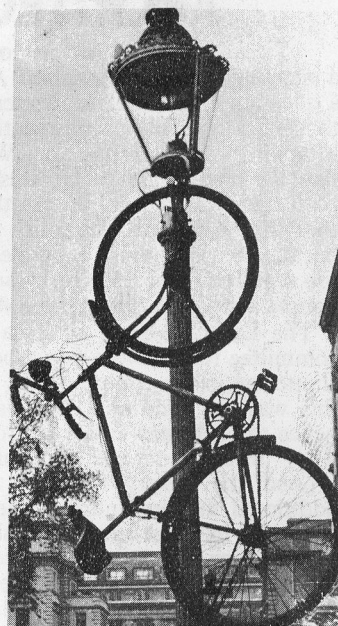
from Another Correspondent

Two quite separate incidents last week may give a clue to future education techniques. In the Electrical department Professor Cherry has been experimenting with closed circuit television as a visual aid to lecturing; he is already using with considerable success two screens to show diagrams and small pieces of apparatus. Ultimately it is hoped to have a complete closed circuit link between all theatres and laboratories in the department. The possibilities are endless. Commented Professor Cherry, "Students are now more familiar with T.V. screens than blackboards."

The second item, but separate from the above, is Cambridge T.V. week. During this last week Cambridge devoted themselves to experiments with television; this involved early morning lectures broadcast to the public and the various aspects of T.V. in education. For one day a closed circuit link was maintained with I.C. and during this time a two way seminar was successfully held.

It seems that in the foreseeable future we may expect a permanent T.V. link with perhaps two or more universities — eventually even with America. Lectures may be illustrated by apparatus many miles away, and lecturers will be able to perform without leaving the warmth of their studies. A great new field has been entered and I.C. is up with the leaders.

Dr. W. W. Sargeant put us in a trance with his talk on "the Mechanics of Brainwashing and Conversion." He started by reading rather rapidly through his notes to give us a general background to historic investigations; the discovery by Pavlov that shock could form protective inhibitions and inverted love-hate relationships in his dogs; also his own experiences in the War with the cure of battle neuroses. He described how he could produce an abreaction in the brain by stimulating the emotion of his subject above the tolerance level with physiological, psychological and biochemical stresses, so that on collapse all the fixations, illusions and basic ideas had been removed from the mind, leaving it susceptible to new suggestions. He said that the same basic method for brainwashing and conversion had been and was used the world over. John Wesley, using the fear of hell fire on prisoners at Newdigate was able to produce dramatic conversions, which he believed was the "doing of the Lord"; and he cited Hitler's production of mass hysteria, which carried away even the most intelligent Germans. To prove his point, he showed us slides taken near and far: a picture on a Greek vase; natives and drums; poison snake handlers; and pointed out the similarity in the facial expressions. This was followed by a film of Kenyan natives and their dances, slides of witches in England, and a recording of a negro religious service. After coffee, Dr. Sargeant answered questions for an hour and a half, questions ranging from police interrogation to leucotomies. Those of you who are aiming at a first, a colour, or a good time, and would also like to gain a little education, would do well to remember "Monday Night is Wells Soc Night."



CAUGHT IN PASSING

distillation of poetry than any other of his films. It is not slow like his earlier films when he tried to "prevent the images from flowing, to oppose them to each other to anchor them and join them without destroying their relief." Cutting became a masterly instrument bringing out excitement or tragedy with equal success. Here Cocteau's ideas were similar to those of Sergei Eisenstein, who made film "montage"—the contrasting of shots by editing—a most important part of film-making.

We are showing Eisenstein's 1st and most important film on November 22nd. It is "Ivan the Terrible, Part II," a fascinating study of the man who became the first Tsar of all Russia.

(To join the Film Society see A. I. Hunter-Henderson, Falmouth 314, or Miss G. E. Oaklev, Beit Hall, 110.)

**POLITICS
SOCIALISM
AND THE SCIENTIST**

Cuba; the Docks; the Berlin Wall; the Russian-Chinese dispute; Fords; the Common market; inflation. These are things which affect all of us to a greater or lesser extent. Who is right in them? What control has anyone over these events? How are they inter-related? Why? These are the kind of topics we discuss, and the kind of questions we ask and try to answer in the Socialist Society.

As scientists we produce the concepts, the machines, and the technological ability to feed, clothe and shelter the world's population—we could almost do it now. Yet even in an advanced industrialized society like our own, we have not yet learnt how to put our highly sophisticated resources to use so that they benefit *everybody* to the maximum.

Often it is only the scientist who comprehends fully the potency of what he is producing. Science influences basically the programmes a government puts forward, and these inevitably affect the scientist—who decides about research in Space? Or for Armaments? Or roads? This is why it is essential for us not to reject politics as being only for the politicians.

Socialism deals with the inter-relations and practical control of the motivating forces within society. And science is one of the most important of these forces today. This explains the Labour

MEN OF OUR HALLS

Rt. Hon. Ronald Weeks (1890-1960) first distinguished himself in 1917 when he won the M.C. and Bar, and the D.S.O. After the war he returned to Pilkingtons, and became a director in 1928. In 1941 he was appointed Director-General of Equipment at the War Office and in 1942 Deputy C.I.G.S. After the War he became chairman of Vickers and later sat on many other industrial boards, but his outstanding contribution was in the field of technological education where he successfully raised £3½ million for the advancement of scientific education in schools.

Mr. William Selkirk, the well-known mining engineer, who made generous benefactions to the college, and in particular to R.S.M. He founded scholarships and also set up the Hall of Residence which carries his name. He was elected F.R.S. in 1949 and an Hon. Ass. of R.S.M. in 1956. Mr. Selkirk maintained an active and benevolent interest in the students of the college, particularly those who embarked on the practice of mining engineering overseas.

Mr. Garden () has no obituary.

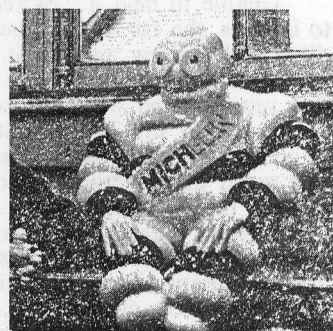
Party's emphatic demands for its proper control, and fairer sharing of the benefits ensuing. "Signposts for the '60's" points out that 1 per cent of the nation's population owns nearly 50 per cent of the nation's wealth!—mostly amassed because of the sheer profitability of utilising technological innovation—from the loom to the computer.

Socialist Society supports Labour, but there is always much free debate on Party policy, and all aspects of the Left. Open meetings are specially intended to interest those without deep knowledge, while closed meetings always contain much of esoteric interest. This Thursday Ian Mikardo is speaking in General Studies on "Planning, Controls and Public Ownership," while other speakers this term discuss such topics as America's Colour Problem and Britain's need for more and better housing.

Keep an eye on the noticeboards for times and places.

BRIAN HALL

**MINORS
COLUMN**



The first Union meeting of this term was held on Tuesday, 15th October. On the whole it was lively and, if we can rub out the chalk, it is to be hoped a good example of better things to come. Spirit was high throughout the formalities and higher after reports of the healthy state of all clubs in Mines. Two highlights of the meeting were the unanimous desire to swap RCS for the Bedford College and the wish to invite foreign miners over for a weekend at the Union's expense. This means tightening all belts, but all voted this a worthy sacrifice. The volume of the chant "Gimme an M" and "cats" demonstrated the overall fitness of Minesmen.

This year Mines is big enough to hold three fresher's dinners and the first of these, for metallurgists, was held on 18th October. It was completely successful even to the soaking of a few insolent Guildsmen. It must be reported that all our guests and most freshers had a good try at drinking the yard. All events so far and the promise of more and better things to come look like the start of an A-1 year for Mines.

**THE FUGUE AS A
DIALOGUE**

Mr. Alec Robertson equalled the standard he set in his first talk in his second on the fugue, given last week. In the first he explained how meaning and atmosphere in music are conveyed by rhythm and melody. This theme was amplified in his next talk, in which he likened the good fugue to an orderly discussion in which all the speakers shared their topic without competing. The approach to the fugue in early Church music was illustrated by a piece for voice and instruments written as a tribute to the Duke of Fenara by the Flemish Josquin Deprez in the 16th century. Mozart could play fugues on the piano "out of his head" and one of the results was the G-major String Quartet, which was also heard. Mr. Robertson also played an extract from Verdi's Requiem and some Bartok. He said that the third talk would be devoted to Britten's "War Requiem."

Chris Cooper.

**A FRESHER'S IMPRESSION
OF CAVING**

Wearing an odd assortment of "grotty" looking garb about 25 bearded students, together with the young ladies, gathered outside the I.C. Union in order to indulge in a week-end's caving in the Mendips on the Fresher's Meet last Friday.

Most of us squeezed into a battered van feeling like sardines in a tin without the oil, and after a stop at Reading we made our way to a four star barn which contained straw, electric light and all the comforts of hard living. Here we slept wakened only by the arrival of other members of the club who came later by private transport.

Caving for the first time is an experience that is difficult to describe, for after overcoming the initial fear of crawling down a small hole in the ground that already contains a stream, you are led through a world that you had never before imagined existed. It is filled with grotesque and beautiful formations of all colours and shapes that you cannot stop to appreciate fully because the leader has meanwhile disappeared round the next corner saying, "I'll show you something far more interesting."

We were led most competently down ladder niches, along crawls, squeezes, double pots, through virgins' delights and other suggestive sounding places, no longer caring how wet or cold we may have felt because of the exhilarating feeling of adventure that led us on to explore an unknown world.

Perhaps the worst part of the week-end was the following morning when those of us who had not the foresight to bring two changes of clothes had to put on our wet things for another day's caving; though once down again and moving this was forgotten during a less strenuous day of exploring some smaller caves on the East Mendips.

The week-end finished at 11.30 p.m. on Sunday when we arrived at I.C. feeling pleasantly tired after what, for most of us, had been introduction to a fascinating new pastime.

S. G. DEXTER.

EARLY MORNING LECTURE



Members of Physics 3 emphasising their eagerness to attend that early morning lecture.....at all costs

SOCCER

1st XI TEETHING TROUBLES

UNSETTLED IN EARLY MATCHES

Unable to field a "picked" team in the first five matches, due to injuries, the 1st XI find themselves with only a win against Shore-ditch and a draw against St. Clement Danes to their name. We have had a reasonably stable team during the past few seasons, but this year we find ourselves rebuilding. The opening match of the season saw a first team containing no fewer than five newcomers to college football. Since this is played with considerably more dash and speed than average school football, it is not surprising that the team is taking some time to settle down.

Successive defeats at the hands of Winchester, Q.M.C. and Reading University have emphasised this. From now on, however, we should be able to form some kind of idea of how much success we can expect this season. To repeat last year's good effort is not beyond us so long as all our players do their utmost to ensure stable teams.

On the social side, Chris Hornblower has been elected Social Secretary and promises to be quite active, having organised the excellent "Pie and Mash" supper for the freshers.

**Sports
Shorts****HOCKEY**

During their match against Merton on 12th October, the 1st XI Hockey team were reduced to nine men. Captain Kerry Peters received a badly bruised hand and goalkeeper Ted Needham had to have 11 stitches in his lip.

ATHLETICS

Athletic Club Trials have been redated to prevent a clash with Morphy Day. They will now be held at Hurlingham track next Wednesday, 6th November. The Winter Championships themselves are on the following Wednesday (13th November).

BOXING

The I.C. BOXING CLUB is re-forming this year. Active members are needed at all weights, especially in the heavyweight division. All enquiries to Mike Neville-Polley via the Union rack.

CYCLING

Although I.C. itself has no cycling club, due to lack of support, both the captain Colin Cross and the secretary Steve Colgan of the University club are I.C. men. If you are interested in cycling, either touring or racing, contact one of them through the Union rack.

JUDO

After several years of negotiation, the college judo club hope soon to be the proud owners of a real Japanese mat. Cost: about £200. This will probably be used in the gym on Tuesday evenings.



JUDO

BEST IN ENGLAND?

Off to a flying start this season, the Judo club have already beaten Kings 4-1 and face their match against Oxford and Cambridge with confidence (result in stop press).

I.C. fielded two teams against Kings at the Fulham Road pad which is regarded as our competitive home ground. Some of the club's new members were seen in action for the first time. The result shows that they did not disappoint us. Teams were: (1) P. Prescott, D. Henton, P. Hall, R. Jackson. (2) P. Prescott, M. Kay, R. Done, R. Huff.

A friendly, staged afterwards with changed teams, was won 3-1 by Kings.

Our Judo Club is now reckoned to have one of the strongest college teams in England. Training conditions are superb. The authorities granted permission to use the building adjacent to South Side car park for this purpose and a mat is permanently laid out there.

Beginners' instruction, by the higher graded members of the club takes place Thursday evenings. All interested members of the college are urged to join the club since it is hoped to turn out two teams regularly this year and their strength will depend directly on the standard maintained in the club.

RUGBY

RESERVE STRENGTH SHOWS

A slightly altered 1st XV scored two wins in succession last week against "F" division (12-5) and Sutton Swallows (15-3). Team changes followed our defeat by Reading University the previous Wednesday when few people enhanced their reputations and the less said about that the better.

Rain spoilt the game against "F" division as far as the backs were concerned, but enough was seen of them to appreciate the great potential there.

SUPERIOR FITNESS

There are few real "stars" in the side though perhaps this is a good thing. Team work and an enthusiastic spirit often pay bigger dividends, especially when supported by constant practice and training. It was pleasing to see our superior fitness show up against Sutton when we scored 12 points in the last 20 minutes.

Several freshers are regularly impressing and knocking on the 1st XV door; G. Rogerson, B. Elliot, N. Bentley and R. Potts to mention the best. The team seems to be settling down now,

thanks mainly to the strength of the feeder XV's.

For every fresher in, one old lag must go out and it is hard training, not past reputations, which will retain places this year.

EVERY fortnight, in addition to the 1st XV progress report, we intend to include a paragraph on one of the other XV's. This week we start with the B1's.

Two matches played—two won (of course) by 20-0 and 11-3. These convincing victories have been made in spite of a serious fitness problem in the team. After an ugly rumour that a certain centre had been seen training, he was "dropped" to the Ex-1st XV. The quantity of beer consumed has been well up to our customary level and the singing (also the match points) has been improved by the presence of that well-known Welsh referee W. (Bill) Jenkins (tenor?). Diplomatic relations have also been set up with the 1st XV.

B1 XV Record to date:

P. 2, W. 2, F. 31, A. 3.

CROSS-COUNTRY NOTES

By Pete Crews

Now that the first few weeks of term are over, the club is settling down to its usual stream of fixtures.

The U.C. Relay, held on Sat. 12th Oct., was the first opportunity for the U.L. clubs to meet and size each other up. U.C. put in three teams, giving everyone a chance to run. Joe Fitzsimmons provided the best time for the 1.8 mile lap, doing it in 9min. 9 sec. In the overall placing the 1st team came 14th, the 2nd 23rd and the 3rd 35th.

On Wednesday, 16th Oct., we met King's on our home course at Petersham and defeated them fair and square. Both clubs ran three teams of six and each I.C. team beat its King's counterpart. This success was due mainly to the commendable efforts of the runners in the middle portion of the club.

The 2nd U.L. trial was held at Parliament Hill Fields on Saturday, 19th Oct. Not only was it a match against the Poly Mob but Leagues I and II ran as well. Consequently the results were very complicated and in fact no official list has been received yet. However, after the race, Dave Reaves, Chris Jones, Pete Crews and Dave Penfold received invitations to run for U.L. against Cambridge on Saturday, 26th Oct. Forthcoming events:

Wed. 30th Oct.

—League I (U.H.)

Sat. 2nd Nov.

—Woodbury Rd., Relay, Exeter

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