



FELIX



NEWSPAPER OF IMPERIAL COLLEGE UNION

No. 180

WEDNESDAY, 31st OCTOBER, 1962.

4d.

ROAD CLOSED! Permanently

Imperial Institute Road Closure

On Monday, 22nd October a significant stage in the development of the IC precinct in Kensington was marked by the closure of Imperial Institute Road. This forms part of the overall expansion approved by H.M. Government in 1952, and in respect of which an outline planning scheme was passed by the L.C.C. in 1958. The closure order was made recently by the Minister of Transport under the Town and Country Planning Act 1947.

While the actual highway was closed to traffic on Monday, the College, in agreement with the local authorities, is providing a thoroughway for pedestrians between Queen's Gate and Exhibition Road from 6 a.m. to 11 p.m., except on certain days of the year.

They will pass through the College precinct, consisting of buildings surrounding the Queen's Tower, which will remain as a campanile set in a grassed quadrangle.

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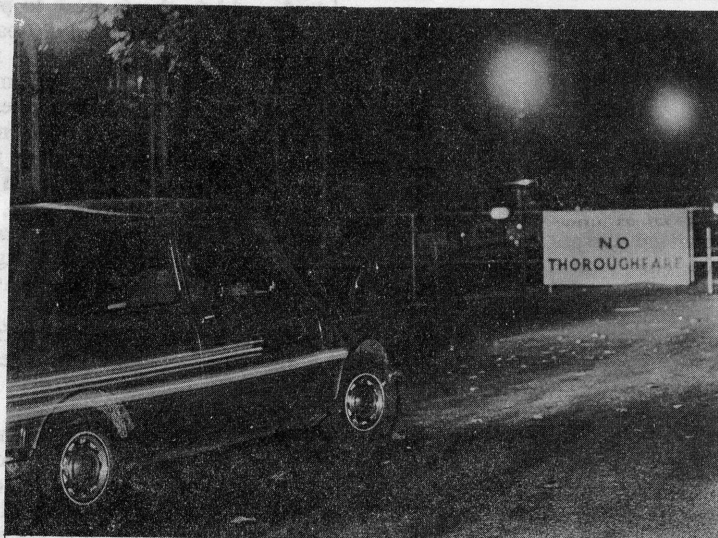
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CABINET MINISTER AT GENERAL STUDIES

by D. Baume

On Tuesday, October 16th, the Right Honourable Peter Thorneycroft, M.P., Minister of Defence, was the speaker at one of the liveliest General Studies Lectures which Imperial College has heard for some time. A packed Main Physics Lecture heard him answer questions on many important national and international topics.

After a light-hearted reference to his "chequered career"; at the Board of Trade, the Exchequer, the Ministry of Aviation and now the Defence Ministry, Mr. Thorneycroft paid a graceful tribute to the enormous advances which modern science has made possible. Then, after a speech of only ten minutes he made the unprecedented gesture of offering to devote the remainder of his time to answering questions from the floor.

In reply to a question about the British deterrent, he said that, while admittedly Britain alone could not hope to win a war with Russia, Russia knows that we could nonetheless inflict enor-

mous devastation on her. The total Western deterrent, however, of which we at the same time form a closely integrated part, could without question defeat Russia utterly, although only at great cost.

He was confident that a shooting war would never take place; and he saw every possibility that the West would win convincingly the less spectacular but infinitely preferable economic and ideological struggle for supremacy. It was a tragic necessity that, in view of Russia's avowed intention of destroying the capitalist system, we are obliged to spend vast fortunes to defend ourselves while much of the world lives in poverty and hunger.

Our entry into Europe, he felt, was inevitable, and we must go in right up to the hilt. There was not a "hope in hell" that either E.F.T.A. or the Commonwealth could form a comparable free-trade area, "except in the nightmare of Lord Beaverbrook."

Cont on page 6

POLLIT vs ATKINSON

To-morrow, Thursday, 1 p.m. in the Concert Hall, sees the start of a new series of debates throughout the year. The motion before the house, 'The West is fighting a losing battle' should be of particular interest, in view of the recent events on the international scene; but of considerable interest, too, will be the meeting of two distinct personalities—on the one side, proposing the motion, Brian Pollitt, the first Communist President of the Cambridge Union, and across the table, politically slightly right, Don Atkinson, President of ULU.

Many will remember Pollitt for his extraordinary treatment just prior to his examinations (and incidentally the Union elections) when he was badly beaten up. As a result of this action, which probably did his cause more good than harm, he dictated answers to his exams from his bed, and subsequently gained a first in Economics, and the presidency. Atkinson seems to have taken a less perilous path to his present position at ULU. A member of the School of Oriental and African Studies, with a special interest in Japan, he is what many would consider the prototype student. His personality is perhaps reflected in his manner of speaking, in which he uses quiet confidence and logic to succeed where aggressive showmanship so often fails.

Seconding Pollitt will be Mr. Turner of IC debating fame, and speaking fourth, Michael Coombs. The debate should prove an excellent start to a programme which includes a 'No confidence' motion on the 29th, followed by the ULU debating competitions. There will also be a series of addresses on debating technique by Finlay McPherson, a well known figure in College debates.



FELIX

NEWSPAPER OF IMPERIAL COLLEGE UNION

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Editorial comment

Staff-Student relations at IC have always been rather distant, and to improve this situation this year, a series of interviews with prominent members of the College are planned. The Rector very kindly consented to be the first subject, and the report of an exclusive interview will appear in the next edition of FELIX.

There appears to be some confusion as to the last day for sending material for printing in FELIX. Any material should

be handed in to the Editor on the Wednesday evening a week before the date of issue. Type-written scripts can be accepted on the Thursday, but there is always a risk that they will not appear due to shortage of space.

As far as staff is concerned, FELIX still needs a typist, male or female, with some spare time and typing ability. Anyone interested should contact the Editor via the Union Rack.

Letters to the Editor

Sir,

There is a notice displayed in the College advising "Don't paddle your own canoe—Join the Boat Club!" The dubious somatic merits of group physiotherapy vis-a-vis the satisfaction of conquering two-handed the loneliness of the long-distance paddler may be argued by the moralist. But being of a brotherhood which has paddled to Putney, and then been remarkably ill-received, my shoulder bears a chip which could be planed down a little if the ambiguous, or rather misleading, title was changed to The Imperial College Rowing Club.

Soon a Morphyous mass of

student, mud and flour, fratres inter se caederentes, will flow turbulently along the Surrey bank, with decided risk of slip at the boundary resulting in separation from terra firma. One is so much more comfortable on the Tideway . . . unless, foul thought, militarism should spread even there! Boats, after all, are for messing about in—unless you're a galley-slave!

Yours drily,
CHRISTOPHER MAY

QUOTES

I was thinking of doing some work.

—Engineer on a sunny Monday carrying squash racket and golf clubs towards the bar.

Why is it that most members of the Union Committee are invariably one over the eight after ten?

—uninitiated freshman.

If Liddle and I have any differences, we will settle them in the Rector's Cup.

—President of Mines.

BIRTHS

Born on October 8th to Mitch and Michelle (nee Goodyear) a son. Mother and son doing well.

THE CHALLENGE OF MARXISM

November 13 — 22nd

Five vital lectures by prominent British Marxists.

Look around for details.

I.C. UNION MEETING — NOVEMBER 6th

Shape of things to come

by C. Liddle and B. Oldfield.

From the chaos of IC Union Meetings over the past two years, one single fact emerges; namely that IC is apathetic. This may seem self-evident and many people have talked about it but little has been done. To create a lively and responsible Union, we must first understand the root cause of the affliction.

We believe that the student is not naturally apathetic but that he degenerates into an uninteresting and uninspired brown-bagger after his arrival here. He is submerged among 3,000 other students, the second and third years do not deign to offer any help or advice, whilst the post grads do not deign to leave their research benches to add their more mature outlook and experience to the Union. If the fresher attempts to approach an official of the Union, he is more than likely to receive the 'cold shoulder,' and all the time lab reports and problem sheets seem to pile up in never diminishing mountains.

An inflationary spiral of apathy sets in, and this problem is met by each generation of freshmen. They may show sufficient interest to come to the first IC Union meeting of the year, only to find a complete lack of interest on the part of the older students, as shown by the poor attendance and general lack of intelligent debate. The freshmen stay away from the next Union meeting and the process of dissociation from Union affairs begins. Is it really his fault?

Last year, the first Union meeting of the session was the only truly quorate one (the final one, the AGM was quorate for about five minutes). This year we hope that the first Union meeting, on November 6th, will be quorate in order that there may be a discussion of the second ratification of a motion proposing the reduction of the quorum to 300. (At present set at 400.) Here we have a fine admission of defeat—that less than 10 per cent. of us are worthy of the name 'student' in all its implications. We are led to believe that this is the leading scientific and technological institution in the country, but the job of such a College should be to produce people of character and sensibility rather than animated slide rules. A live Union is essential to a complete education: the reduction of the quorum suggests not only a dead Union, but that the corpse has been mouldering for some time.

We are not asking for a repeat of the hysterical Union meeting in May, 1960, when the quorum was raised from 200 to 400 and 600 students were present. (It is

worth noting that at this meeting, the President was reinstated after closed with 'Auld Lang Syne' and a vote of thanks all round.) What we would like to see is remedial support which stems from a lively and intelligent interest.

The second equally controversial but less depressing item on the agenda for the next Union Meeting is the second approval of the motion which will create the post of Deputy President of IC, who is to be elected in the same manner as the Hon. Secretary. This was pushed through at the last Union Meeting with little or no explanation as to the need for such an office. We feel that this position is an unnecessary addition to the numerically quite adequate Council, and would simply serve to enlarge committees and duplicate paper work. The IC Executive is able to fulfil its duties without the Parkinsonian addition of another mouthpiece.

Turning from the blight of apathy to the blight of hunger (not Mooney), we come to the third major topic on the agenda of the coming Union Meeting. The Union will have to decide to what charity the proceeds of the 1963 Carnival should go. There will be a motion before the house that 'the sum raised should be given to the Freedom from Hunger Campaign,' and no doubt we shall see the usual wrangle between those supporting local charities and those in favour of helping national campaigns. The arguments in favour of the local charities, such as help for the old people of the district, are strong and should not be overlooked in

NOTICE TO STUDENTS from the COLLEGE SECRETARY

STUDENT ACCESS TO MECHANICAL AND ELECTRICAL ENGINEERING BUILDINGS

Until further notice access to these buildings will be from Exhibition Road. The East Quadrangle is OUT OF BOUNDS to students who may not, therefore, enter the buildings either from Imperial Institute Road or from the Royal School of Mines

Cont from page 2.

favour of the more glamorous national campaigns. The optimistic targets of £2,000 to be raised this year might be met if more co-operation could be obtained from local residents and police, and a Carnival for a local charity might encourage this. However, we wonder if the effort involved in collecting this sum is really worthwhile. IC in previous years has collected about as much as the rest of UL put together, but this still seems a paltry sum when compared with the funds raised by provincial Universities. Sheffield, for example, with about the same numbers as IC, managed to collect £12,000. Is this, then, another example of half-hearted couldn't-care-less-attitudes which lead to a weak and unco-ordinated effort in most of our ventures?

Imperial College Union is your Union, and what you contribute to it is a measure of what you will get from it. It is up to you to run your Union and the mainstay of this is the Union Meeting. The agenda is there for all to see on the Union notice board, and it is hoped that some of you are intelligent enough to form your own views and to express your own opinions at the meeting.

Unless IC changes radically and for the better, we feel that our Union will not be worth the 4d. you should have paid for this FELIX.

On the Sight

by Colcutt

A lot of criticism has recently been directed against the President. "Why is he not in the bar to-night?" "Why does he never seem to be around the Union?" The trouble is that the majority of people have no idea of what his job involves. His diary is crammed full of committee meetings, concerned with the running of the Union, and with Social functions where it is his duty to represent the College. The business side of his duties demands a great deal of preparation if he is to put the Union's view point to the best of its advantage, and his social commitments, although often of a very pleasant nature, do take up a lot of his time. On top of this, he has to put in some work for his degree, and set aside a fair amount of time to spend with his beautiful new bride. Perhaps there is a case for giving the President a year free from academic studies and for providing accommodation for married students in College. Either way, Asit Chandmal is doing the job of President to the best of his

ability, and I am sure that he will turn out to be one of the best Presidents this College has had, so give him a chance and don't expect the impossible.

The Freshers Dinners have so far passed with little of the usual inter-college brawls. Indeed, the spirit of Imperial College seemed to dominate over the inter-collegiate rivalry at many of the dinners. Some incidents did occur, however, and much needless damage was done, both to individuals' clothing and to the Union buildings. Doubtless, this damage will be paid for by the Unions responsible—they seem to have plenty of money to spend in this direction. It's a pity they can't grant the Rugby Club some money to help settle the debt incurred after a similar bout of after dinner high spirits last session—after all, the money all comes from the same source.

The shortage of glasses in the bar, particularly pint glasses, has repeatedly been felt during the large gatherings in the bar after Freshers Dinners. There can be

no excuse for not having enough glasses, especially in view of the profit of £600 made in the bar last year. In any case, the Bar sales would be even higher if there were enough glasses for all the thirsty souls who clamour for liquid refreshment after making lusty contributions to the Bawdy Bar Ballads, invariably rendered out of tune.

Relations with ULU do not seem to be improving. They have cancelled the Swimming Club's booking for the Gala. The booking was made in June after considerable discussion between the last year's executive and ULU about this year's Gala. Why don't we just secede from ULU and let them go their own sweet way.



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KARAKORAM EXPEDITION

A Reply

In the first week of June, Mr. H. D. D. Watson submitted an application to the Exploration Board for a proposed expedition to the Karakoram in June 1963. A special meeting of the Board was called to consider this proposal and held on the 21st June, 1962.

After allowing for general expenses and for the average annual cost of insurance of expeditions (£200—see Note 1), the Hon. Treasurer concluded that the Board would have about £1,650 available for distribution in 1962/63, if the Reserve Fund of £600 was drawn upon.

The proposed expedition would be composed of 7 members from the College, an external leader and doctor (both with previous Himalayan experience) and a Pakistani liaison officer, making a total of 10. Mr. Trevor Jones was to lead the expedition—and Dr. J. Swallow to accompany it. It was hinted that Mr. Chris. Bonnington had also been approached.

The expedition was to carry out two independent programmes, one climbing, the other surveying, in the area of the Hushe Valley, 60 miles east of Skardu. In addition, it was intended to carry out limited geological and meteorological work.

Nine members of the College wished to be included in the party, although it was uncertain at that time whether all of them would still be at College in June 1963.

The estimated cost of the expedition was approx. £4,600 of which £2,800 represented air fares and freight charges. (Because of the time factor, the expedition was to fly throughout from London to Skardu.) Personal contributions would be £50 per head for students and £150 per head for Mr. Jones and Dr. Swallow.

The Exploration Board was asked to give its approval to the expedition—and to support it with a grant of £1,200. The expedition hoped to obtain finance as follows:—

I.C. Exploration Board	£1,200
Mount Everest Foundation	£1,400
Personal Contributions	£750
Outside support (and sale of postcards)	£1,250
Total	£4,600

The proposal was considered at very great length. The Board was satisfied with the organisation of the expedition thus far, and agreeable, in principle, to the proposed leadership. Although the ability of the party to carry out some of the scientific work effectively was questioned and the composition and experience of the party was discussed, the Board's main concern, at that stage, was the financial situation.

And this was clearly intimated to the organisers by letter on June 22nd. "... it (the Board) regretted that it was unable to devote so large a part of its resources (to the exclusion of almost any other activity in 1963) to an expedition, which would benefit only a few people, and, relative to the expense, produce a small scientific return."

For it was evident that if the requested support was granted, not only would the whole of the present Reserve Fund be absorbed but also there would be scarcely any money available later in the year to finance any other expeditions which might be proposed. The Board considered that other members of the College should be given the chance to gain expedition experience. Moreover the party was not wholly 'representative' of the College; for besides only 70 per cent participation by students (most of whom would be leaving College) the expedition was never publicised outside the Mountaineering Club circles. The Board therefore concluded that bestowing £1,200 to one expedition was neither the best, nor fairest, way of spending that sum.

Unlike other "grant-award-

ing" bodies, the College, when it gives its name to an expedition, virtually sponsors it and therefore assumes full responsibility for it. In the case of an expensive expedition operating in a difficult and distant country, this responsibility and risk can be considerable, often involving diplomatic difficulties, and the Board must consider not only its own available funds, but also the likelihood of the expedition being completely solvent and trouble-free at the time of its departure. In the case of the Karakoram expedition, it was generally considered that if the expedition was to be supported by the Board at all, then the Board ought to take a large measure of financial responsibility (—and this it was unable to do). It was also felt that in addition it would be necessary to keep about £500 in reserve to balance any unforeseen expenditure over the estimated limit. This would leave the Board with no money for any other purposes.

With the full support of the Exploration Board and the Mount Everest Foundation, the expedition still needed to gather £1,250 from outside sources. Had the Board granted a lesser amount, this would have severely reduced the chances of the expedition being fully supported by other organisations. Because of the responsibility involved, the Board was therefore forced not to support the expedition in any way, for with formal approval alone, the expedition's chances of gaining full financial support were almost negligible.

The Board's decision therefore called for a change of plans on the expedition's behalf or more concrete evidence that sufficient money would be forthcoming from outside.

Notes

1. The Board automatically accepts responsibility for adequately insuring all personnel and equipment on any expedition that it approves and on average this costs the Board £200 per year. Insurance of personnel alone on the Karakoram expedition would have cost the Board approx. £100.
2. The "constant stream" of Arctic expeditions (12 out of a total of 32—many of them training expeditions) is hardly surprising considering Gt. Britain's geographical position in the world, in that the Arctic regions are relatively close and for this reason, a target for small cheap expeditions. The twelve Arctic expeditions have cost the Board £1,320 in all (on average £110 per expedition) and over 60 students have benefited therefrom.

H. T. LOVENBURY
President, I.C. Exploration
Society, 1961-62.
Exploration Board Rep. 1961-62.

Mines Union Meeting

The meeting was opened by the President with a request that members desist from the puerility and garbage projection which has attended the Union meetings of the other Colleges. This was followed by a plea for two minutes silence, 'for those who did not return.'

After elections of year reps, a ferment of discussion took place on the subject of our mascot, Mitch. It was reported from the chair that marauders from Guilds had forced an entry into the mascot's boudoir, and removed a rotund article painted in black, white and yellow. The explanation was that Mitch, being a man, had in true Miners' tradition, suffered the pangs and arrows of outrageous good fortune and had, in the nature of things, been affected by Spring. It was further stated that having sloped off one day, he had returned with a bride, Michelle. Being a man of true merits, he had begat a wee one, weight at birth 1 lb. 3 oz., and while Michelle was recovering from her confinement in the West Indies, her hubby was present at the meeting. The appearance of Mitcheson was greeted with acclaim.(?)

The next subject under discussion was Mr. Billingham, one time bearer of Michelle, and his colleague, Mr. Voss. In an eloquent speech, Mr. Roy Gardner suggested that these gentlemen should be sold to a germ warfare organisation as guinea pigs, after suitable treatment in the Round Pond. The final ruling from the chair was that Mr. Billingham should be condemned to be Mr. ICWA, with Mr. Voss as his proposer.

Mr. Mansen, from the floor, thought it a good idea for the gentlemen of Mines to take their own beer with them on the occasion of the next Swimming Gala to alleviate the expense incurred last time. Mr. Mansen's splendid Gallic singing voice was much admired by the President, and with this as a lead, the meeting was brought to a close with a resounding version of CATS.

Service Overseas

About half-way through next term there will be an Imperial College Overseas Service Week. The object of this 'campaign' will be to rouse interest in voluntary service in the developing countries and to provide information about schemes through which volunteers can go abroad.

Anyone interested in helping with this Week should come to Committee Room A at 1.15 p.m. on Friday, 2nd November, or contact Roy Ellis through the Union rack. Members of staff and postgraduates will be especially welcome.

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Bo and the Brighton Run



City and Guilds College is fortunate in having a fine specimen of a unique veteran car, a 1902 James and Browne, a marque of which there is only one other known example, a later four cylinder model. Since the car was built before 1905, it is old enough to qualify for the London to Brighton Car run, and has taken part in this event ever since being acquired by the College.

Bo has a two cylinder engine, with a bore of $4\frac{1}{2}$ in. and stroke of 6 in., giving a displacement of $2\frac{1}{2}$ litres, and is rated to give 9 h.p. at 600 rpm. The layout is rather unusual, the two cylinders being parallel and horizontal along the axis of the car, with the crankshafts and the shafts in the gearbox lying across the car. There are four forward speeds and a reverse, the drive being by

chain to the rear wheels, giving the car a top speed of 35 mph on the flat.

On Freshers day, Bo had the misfortune to shear a key in the crankshaft, holding the crank web to the main shaft. This necessitated the removal of the engine and gearbox, and a complete stripping of the engine to repair the damaged parts. All this has been done and the car

assembled again, so that Bo is almost ready for the road again.

This year, on Sunday, November 4th, Bo will once again be taking part in the Brighton Run, starting from the road along the Serpentine in Hyde Park, at 8.0 a.m. The car and crew hope to be in Brighton in time for the Motor Club dinner at 1.30 p.m.

Since Bo was acquired by the College, he has failed to qualify only twice—once due to mechanical failure, and the second time, for exceeding the maximum allowed average speed limit of 20 mph and arriving in Brighton too early!



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.

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RARE BIRDS

'I am a rare bird: an oriental who is also a materialist.' The speaker; none other than our President, Asit Chandmal. The occasion; upon seconding the motion that I.C. affiliate to the National Union of Students some two years ago. 'I have saved £50 by belonging to N.U.S. . . . ' the oratory poured on; cheap charter flights to Paris (!!), reduced entrance to the Louvre, cheap books, cheap theatre tickets, etc., etc. So that's the secret to success? Clearly, all rare birds would do well to feather their nests now with N.U.S. concessions . . . who knows who will be President in two years' time?

What with Mrs. Robinson keeping rare birds in the Union Office and blokes demolishing the old Guilds' building, things are scarcely what they used to be. Where is the good old-fashioned Union Council which could be relied upon to GOVERN the Union and not stand truck from 'slimey, greasy footnicks, fascists and fellow travellers' as they called their opponents. Those old Councils were good politicians and knew the Union wasn't interested in politics, religion and things like that—or so they said. If you want to be a good politician, never admit it; and they didn't. That N.U.S. is crammed with politicians is an insinuation used to smear that organisation so repeatedly in this college, and it always rather amuses me as it invariably comes from politicians.

I just do not believe that students in this college are not interested in grants, hostel accommodation, standards of lecturing and examinations, which is politics if you believe the nonsense and propaganda that is usually shouted at N.U.S. Any-one who is concerned with politics is a politician, and those who

support the traditional I.C. policy of not belonging to N.U.S. are as much politicians as Mr. Macmillan or a shop steward at Ford's.

It was certainly true that N.U.S. was under communist domination when I.C. left it over its attitude to the war. A lot of other colleges left at the same time, but times change—the communists have gone and the other colleges have rejoined. N.U.S. has learned its lesson and the only politics it is concerned with now are those issues which directly concern students. But I.C. remains aloof as the only college in the country which is not prepared to play its part in voicing student opinion on the national scale.

But still the babble of half-truthful, half-witted and inconsistent arguments is heard—'we cannot afford it' we hear them cry. Who cannot afford it? The Rugby Club which gets £300 a year from the Union—two bob per Union member? The boat club, £600 p.a. or four bob a nob? Or perhaps the Gliding Club—£1,200 for a new glider? What nonsense! I do not say that these clubs should not get their lolly and good luck to them, but do not let it be said that we cannot afford 1/3 per member to affiliate to N.U.S., which is a trifling sum to pay towards what I regard as an excellent institution.

'What is more to the point is whether we can afford not to join. Is it unreasonable to ask 1/3 a nob out of Union funds to allow I.C. Debating Society to enter for the 'Observer' Mace, the I.C. Drama Society to enter the 'Sunday Times' Drama Festival, to gain entry to the charter flight scheme, the vacation work service or the international camps? I.C. sports have been abroad on tours sponsored by the National Unions of other countries.

If doctors can join the B.M.A., teachers the N.U.T. and lecturers the A.U.T., then surely to goodness students can find something to say and do about student affairs on the national level. Are we in I.C. too bloody-minded or too stingy or too much like nattering grandmothers to get over the barrage of pettyfogging tripe to lend a hand in running our own National Union?

Poured forth by Bob Finch. Punctuated by Les Massey. Spelling mistakes uncorrected by the Editor of "Felix."

Spannerama



Since Guilds is in the midst of the turmoil of reconstruction, this column is being started to help people keep in touch with what is going on in the Union.

First event is this Sunday, the 4th, the day of the Veteran Car Club run from London to Brighton. The start is from Hyde Park, around 8 am, and our mascot, Bo ("He," please note, Mr. President) is taking part again.

On Wednesday 7th, during the continuation of the recently adjourned Union meeting, Morphy Day will happen. This year, to avoid fishing odd bods and trophies out of the Thames, and also to achieve a greater degree of personal contact, there will be nine inanimate bags (stuffed with sawdust) taking part, so it should be a good do. Don't forget the two boat races for which the crews have been training three times a week before lectures. They will certainly appreciate all the support you can give.

On Saturday morning, 10th November, is the Lord Mayor's Show. Guilds, as usual, is providing manpower for one of the floats in the procession. There will also be a strong contingent of Guildsmen half-way up Lud-

gate Hill headed by Bo and the President.

Mr. Frank Irving, the well known warden of Beit Hall, has very kindly presented to the Union one of his most valuable and treasured possessions, a Spanish water carrier. Owing to a shortage of Spanish water, it is now being used for English beer. Whilst on the subject of trophies, we would like to state categorically that we have Mitch. He is now resplendent in his new Coat of Guilds—red on a field argent with Mines rampant.

At last we have acquired premises in E1 for use as a Union Office, and this should come into operation as soon as possible.

The 1002nd night is November 23rd, when shrieks of delight will be heard emanating from the Union Buildings. Yes, it's the Guilds Mines Carnival; bring your own camel, any bloke with less than five birds will not be admitted.

You'd better get some sleep now as the next fortnight is going to be somewhat hectic.

This week's pseudonym—Jim Sawdust.

P.S.—This year Christmas Day is on December the twenty-fifth.

P.P.S.—WE GOT THETA!!

Small Ads.

FOR SALE 1960 Vespa; extras: £60 o.n.o. E. Babb, 2:EE FOUND

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Results Results Results wanted from all Club Secretaries of all matches. Give score, venue and opponents, to the Sports Editor via Union Rack.

FOR SALE Messerschmidt 3 wheeler, excellent condition, economical and reliable—£60 o.n.o. L.F. Fumagalli, Chem. Eng. 2

FOR SALE IC blazer £5.10.0, cost £10 and has never been worn. Size—medium build, long. Call or write: C.G. Davies, 3 Tachbrook St, S.W.1

Cont from page 1.

The reason for our delay in applying to join the E.E.C. was simply that, when the Treaty of Rome was signed in 1956, British public opinion was just not ready for entry.

He vividly compared the Cuban crisis to that which would ensue if, say, the Channel Islands somehow came under Russian domination. "We should then certainly hear demands for action by the Government, similar to those being heard now in America."

He explained his cancellation of the Blue Water surface-to-surface missile on the grounds that there was already a

sufficiency of Tactical Nuclear Weapons in Europe, and also its sales prospects were poor because of competition from the admittedly inferior but cheaper and readily available American Sergeant missile.

Asked about the possibility of Government intervention to end costly demarcation disputes in industry, Mr. Thorneycroft said he felt this would be disastrous: "They would probably all go on strike." The Unions are slowly becoming "less ultra-conservative," and this was a problem which could only be dealt with by the Trade Union movement itself.

Cross Country

Having lost three of the six runners who ran so well last year to win the Hyde Park Road Relay and two other first team runners beside, the club was on the look-out for promising freshers and inspired improvements from returning members to attempt to maintain the high standard of the last few years. A good turnout for the freshers run, despite transport difficulties, showed that at least keenness was present. It remains to be proved whether the ability necessary to back it up will be revealed.

The first U.L. trial afforded us our first test, and only Ted Wilkins, 3rd, Pete Ray, 5th, and Chris James, 11th, showed good form although Pete Crews performed creditably in gaining 17th position.

The following Saturday, our first team gained 6th place in the U.C. Invitation Relay, losing to three University teams, U.C. and Borough Road T.C. Ted Wilkins was again in tremendous form, returning the second fastest time of the day and beating the College best performance for the 1.8 mile course at 8 mins. 13 secs. Dave Colvin was seventh fastest at 8 mins. 28 secs.

On Wednesday, 17th Oct., a weakened team lost to King's College at Mitcham over 6.1 miles, but gained some compensation by winning the second team match. Fresher Howard Dickson was the first IC man home with Pete Crews maintaining his improvement in 5th place.

Saturday, 20th October, saw the annual U.L. v. Polytechnic Harriers "Mob" match. However, Poly's mob looked quite insignificant in comparison with about 150 University runners. This race incorporated the final U.L. trial and both divisions of the University League. Ted Wilkins again finished first for IC in 7th position with Peter Roy well up at 14th.

Results

U.C. Invitation Relay (Oct. 13th)
1st Birmingham U.
2nd Borough Rd. T.C.
3rd Sheffield U.
4th U.C.
5th Loughborough Colls.
6th I.C.
K.C.L. 30 pts.; I.C. 54 pts.;
I.C. II 118 pts.; K.C.L. II 144 pts.
League I: U.C. ; I.C. I ;
Barts H. ; King's

ICWA RESULTS

SQUASH

v Bedford—won 3-2

HOCKEY

v London Welsh—lost 0-3
v Chelsea—lost 1-2

SWIMMING

Swimming—won 38-20
Water Polo—won 6-0

Overseas Vacation Service

by J.R. Hamilton



The purpose of this, the first of a series of articles, is to outline the events giving rise to the facilities now available for second year students to work and gain technical experience during overseas vacations; also to describe briefly these facilities offered by the International Association for the Exchange of Students for Technical Experience. In forthcoming issues, Felix intends covering reports on overseas work and travel by a cross section of men and women from Imperial College.

In 1934 Mr. J. Newby of the Registrar's Staff was approached by the Engineering Society with a view to obtaining work for students in industry within the United Kingdom during the summer vacations. The demand for home postings was met and the Imperial College plans became more ambitious. In 1936 three students from Brussels were received in this country and in 1937 a small number of Imperial College students went to Belgium for experience.

This exchange scheme was beginning to spread but War curtailed these early moves. In 1945 the Imperial College Vacation Training Committee recommenced sending students abroad and arrangements were made for students to visit this country from seven countries (Belgium, Denmark, France, Holland, Norway, Sweden, Switzerland).

In 1948 a conference of organisers of student exchanges in ten countries was convened at Imperial College and from this conference emerged the International Association for the Exchange of Students for Technical Experience.

In that year 198 students were sent abroad under I.A.E.S.T.E., 168 of whom were from Imperial College, the remainder from the other affiliated colleges and universities has since increased but Imperial College still accounts for the largest individual number.

That 168 to 170 eligible men and women from Imperial are found satisfactory places for an average of eight weeks during summer vacations does not imply that all applicants are accepted. As a general rule the student needs to have completed the penultimate year of his undergraduate course and is required to have had U.K. industrial experience during the first year, though this rule is not inflexible.

The student, on accepting a job, is required to pay a fee of 30/- as a registration fee, each University and College pays an affiliation fee according to the number of students sent abroad. In most cases the cost of travel is met by the student who, upon

taking up the post is paid a subsistence allowance by the employer. A few travel grants are to be had, notably those made available by I.C.I. and the Canadian National Research Council for selected students, both of whom pay travelling expenses plus a maintenance grant.

I.C.I. require that an applicant shall work satisfactorily at one or other of the Company's British plants for a specified period during first year vacations before acceptance for Germany or Switzerland in the second year.

The National Research Council of Canada has in the past made up to six places available each year for students studying at British universities and colleges.

The normal subsistence allowance varies considerably from country to country and this work should not be regarded as fully paid employment. A number of students cover their costs entirely, but those who do not may find themselves a little out of pocket, though to offset this apparent financial loss they have gained a broadening of experience both technical and social beyond the reach of men and women remaining at home.

Indeed, I.A.E.S.T.E. emphasizes that one of the main aims of the Association is to give students from member nations an opportunity to view another's country from the inside as it were, though Felix hesitates to suggest that for women students this should necessarily be a Birds' Eye View . . .

At present the Association is represented by 21 Full Members and 8 Associate Members from

both North and South America, Europe, the Near and Middle East, Asia and Africa, representation coming from countries as far apart as Poland, the United States, India and Argentina.

Unfortunately, some countries are less able than others to make use of the available facilities; South Africa for instance settling down to winter studies when those from the Northern Hemisphere are seeking summer employment.

It may be fairly widely known that some colleges such as the R.S.M. have for many years undertaken overseas vocational training and these articles will not cover their activities. We are solely concentrating on those men and women who have availed themselves of I.A.E.-S.T.E., and with the co-operation of these students will publish facts about the countries they visited, their work, those they worked with and their own experiences—good or otherwise.

I.A.E.S.T.E. is now a separate organisation, independent of the Imperial College, and having its own Memorandum and Articles of Association.

We wish to thank Mr. A. G. E. Meacock, Superintendent of Vacation Studies. Without his kind assistance these and later columns would not appear.

DANCING COMPETITION

IC Dancing Club is planning to participate in an inter-Collegiate Dancing Competition which is the first of its kind. Anybody wishing to take part please look at Club notice board in Union Entrance Hall.

POLLIT vs ATKINSON

(Cambridge) (London)

November 1st



MORPHY DAY November 7

Met. Police Defeated

The Rifle Club got off to a flying start to the season by beating the Metropolitan Police on their home ground at Imber Court for the first time ever.

Normally for this match the College VIII is supplemented by four or more Purples because the Police always have a very strong team. This time, however, only one — Brian Fitzgerald — could turn up.

The course was quite a stiff one. Two cards at 50 yards were followed immediately by two at 100. The inexperience of the IC team compared with the Police is clearly shown by the hundred yard scores.

I.C.	50	100	Total
B. P. Fitzgerald	195	186	381
R. Winney	193	182	375
J. H. Jones	188	185	373
J. N. Hartley	188	183	371
T. H. Sargant	190	180	370
D. G. Frost	187	182	369
D. N. Hubble	188	179	367
M. E. Sherwood	182	177	359

Best 8 (9 shot) 1511 1454 2965

M.P.A.A.
(highest individual score 376)
Best 8 (of 11) 1481 1479 2960

FFAGINS' TEAM BEAT

TWO TEAMS IN ONE

Ffagins XV this week made their way into the depths of the Surrey countryside to play rugger(?) against Camberley A XV.

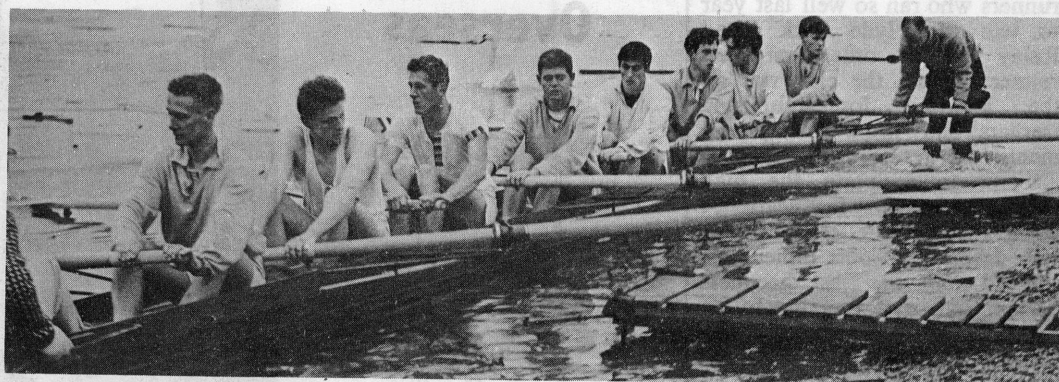
On arrival at the ground, they found to their dismay one 1st XV and half an A XV. Being sporting chaps, they took on the half of the AXV plus half the 1st XV, and after a fantastic first half were firmly in the lead, when, as they lay puffing and gasping, waiting for the second half, the rest of the opposition's A team turned up.

To cries of 'What the — hell is going on, ref?' the new men joined the ranks of the opposition, and the 1st team men retired. In the true spirit of English sportsmen, ff's took the fresh side in their stride to win 11 points to 6.

P.S.—Can we have our player back, mister.

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RCS Morphy Crew back from an outing.

Remember, remember, the 7th is Morphy Day.

While the lesser mortals of the Rugby Club lie dormant, the idiots of the Boat Club continue to set the rest of the College a good example by setting their alarms for 7 o'clock and actually getting up then (in most cases). Most of the crews are near their final composition, and comparisons can now be made with a little more confidence.

The Mines Morphy crew shows greater talent than of recent years, and in a full course trial last

week, they produced the very creditable time of 8.12 in unfavourable conditions. It has been necessary to include several novices in the Lowry crew, which has shown considerable fighting spirit on recent cutings.

Despite the disadvantage of having no coach, the RCS Morphy crew is progressing well, at times showing its true potential. The Lowry crew has recently been strengthened by a bearded stranger, and may be able to surprise the critics on the day.

The Guilds crews are concentrating on fitness rather than technique, as usual, and are being ably coached by Jan Smaalders and Keith Cugan, both experienced IC coaches. Their Lowry has considerable potential, but has as yet been unable to produce performances to show this.

As usual, all crews are taking the race very seriously, and as yet, no member has been spotted in the bar more than eight evenings in one week, the reserve capacity being reserved for the Boat Club Dinner on Morphy night.

from 40-40-40. 'Never mind,' says the Mole, 'you have to dive later on.'

THE MOLE

Perhaps it's the beauty, perhaps it's the danger, perhaps it's . . . well, what reason makes an apparently sane person don an old and stinking boiler suit and tattered pieces of leather apologies for boots, to crawl down small holes in the ground, only to emerge a short distance away, after considerable time and effort, looking for all the world like a mud pie. Hard to believe, you say? Yes, but it does happen.

These intangible beings are called 'pot-holers,' and are distinguished in their natural location by their smell and single 1,000 candle power eye. Found in society, they can be distinguished by the mad, lost, longing look in their eyes, the shattered nails, and the ever present earthy smell.

To try and discover what drives this mole, let's venture on a short excursion. We leave on a gloriously sunny day, 90 degrees in the shade, dwarfed by huge rucksacks full of so-called necessary gear, and set off up a mountain at a great pace. The lead mole turns round with a look of sadistic gloating and calls out 'Hurry,' as we stumble upwards.

Someday, someone will finally propound the sad formula-weight of carried load increases as the distance squared. Eventually we arrive and drop exhausted to the floor, only to hear the Mole tell us to hurry and get changed. Perhaps it is the suppressed excitement, or else the curiosity, but we do as he says, and don the cold, wet and clammy boiler suits. 'Where is the cave?' somebody asks. 'There,' the Mole replies, pointing to an oversized rabbit hole. With a nit in our

stomachs, we listen to last minute instructions. 'Oh,' says the Mole as an afterthought, 'if anybody starts to scream from claustrophobia, he will have to be kicked unconscious to avoid upsetting the rest of the party. You come second,' he finishes, pointing to our 40-40-40 camera man.

The Mole then lies down on his stomach, and disappears with a wriggle. A few seconds later his muffled voice yells 'Come on,' and 40-40-40 kneels down gingerly and sticks his head in, then struggles in. Now if you have not seen a 40-40-40 wriggle along a passage only 9 inches wide, then it's potholing you should go. We struggle, wriggle, curse, down this incredibly tight passage. 'What is that smell?' asks 40-40-40; 'sorry,' replies the Mole. A little further on, the Mole says, 'It gets a bit damp here,' and we hear a loud splash

Eventually after much persuasion, we pop into a roomy cavern. 'Look,' says the Mole, and we lift our tired heads. The sight that meets our eyes is enough to dispel any doubts we may have had about the whole venture. We are in a cavern whose walls are lined with water droplets which reflect and refract the light given out by our lamps in such a way that the surface appears to be covered with diamonds. Pearly white stalactites, 30 feet long, line one wall, a cascade 40 ft. high dominates the other wall, 40 feet of tumbling orange and white calcite. The roof is lined with a silvery film of water. This is our reward.

With great reluctance we finally turn to go, but such is the splendour of what we have just left, that the narrow passage now seems much shorter and easier. When we emerge from the ground it is dark, and we wash ourselves in the still warm water of the stream.

It is with no small doubts of our sanity that we finally wend our way down to that cool refreshing pint, but such is our reward, our feeling of achievement, that we wish time would stand still and that we would never have to face the harsh realities of the morrow.