


f e l i x



No. 212
WEDNESDAY
JANUARY 27
1965

The Rector writes - p. 8

R.C.S.U. NEARLY RICHER BY \$6000

APARTHEID — NO

On Thursday, Professor Charles Manning, Professor Emeritus of International Relations at the London School of Economics proposed the motion, "The Apartheid is the only solution for South Africa to-day." He was opposed by Colin Legum, Commonwealth Correspondent of The Observer. The motion was defeated by 24 votes to 71 votes with 29 abstentions.

Professor Manning began by saying that the Proposition was not going to debate the moral issues of Apartheid. He felt sure that everyone, not least himself, deprecated the use of violence in the furtherance of any chosen policy. "The case for the proposition," he said, "is that Apartheid is the only treatment for South Africa to-day. We cannot be sure whether this will turn out to be the complete solution, but at this time it is the only possibility which will lead to a solution." Professor Manning ended with a challenge to the Opposition to give any alternative to Apartheid.

Mr. Legum, a born South African who was active in politics and journalism there until he left in 1948, began by regretting that the Proposition had not dwelt more on the moral issues surrounding Apartheid. He felt that these were the roots of most people's objection to Apartheid. He did not feel anyone should accept the situation where separation existed as in South Africa.

Mr. Cloete, of the Nuclear Technology Department, carried out Professor Manning's arguments again challenging the Opposition for an alternative policy. Roy Clarke, Secretary of the newly formed I.C. Society for Racial Equality, spoke very fluently but apparently on another motion. His vivid description of South Africa was good but like Mr. Legum he did not offer any alternative policies.

ex-MP fights Race

Lord Brockway's logical and reasoned appeal for racial equality will, I am sure, have finally converted any wavering segregationists who heard him talking in the Physics Building on Thursday dinner time. The IC Society for Racial Equality was fortunate in obtaining a speaker who not only felt profoundly about racial problems, but was able to argue with a simple eloquence and practical straightforwardness.

The formerly Fenner Brockway, and ex-Labour MP for Eton and Slough, called attention to our dependence on immigrant labour to run the transport system.

Cont. on page 12.

RAMSEY to speak

On February 9th, His Grace the Archbishop of Canterbury is to visit the College to speak in General Studies. His visit is but one event in the TEACHING WEEK run by the Anglican Chaplaincy in I.C.

Older members of the College no doubt remember the little brown men of years gone by. This year a somewhat more

sober, though equally hybrid, group of Christians has been gathered together under the leadership of Fr. Martin Jarrett-Kerr. A member of the Community of the Resurrection, Fr. Martin is a frequent broadcaster (Third Programme) and eminent critic.

A feature of the week, which starts on February 7th, will be the three evening talks given in Southside by Fr. Martin. These talks on "The Faith" will be followed by coffee parties, thus providing an ample platform for the exchanging and forming of views. This informal friendly barter characterises to a great extent the happenings of a Teaching Week.

A Scottish sailor came to Imperial College on Thursday, 14th January, and offered \$6,000 for use by the Royal College of Science Union. Who the beneficiary was and how R.C.S. came to be chosen were not disclosed.

Secretary Pete Walton was given an address to which he wrote on Friday. Payment was to be by banker's order, and R.C.S.U. have since awaited confirmation from their South Kensington bank and a letter explaining why R.C.S. was selected.

But on Sunday night, 24th, Walton collected a letter returned by the Glasgow post office, which he identified as the one he had sent the previous week. Subsequent enquiries at Chelsea police station suggested that this was perhaps a hoax.

No definite plans had been made to use the money, but it had been suggested that part of it be used to book one or two big name groups for the R.C.S. Carnival.

D.L.W.



On Monday, January 11th, various public-minded, or "tele-conscious" students spent the afternoon helping to "Go-up" a house in Notting Hill. They appeared in the background as various patrons of the Notting Hill Housing Trust were interviewed for the programme "Time Out," on B.B.C.2.

T.V. interviews are not as straightforward as they appear. Each question was asked and answered many times until the Programme Producer was satisfied.

During all this, the students were hard at work renovating the house, a job made difficult by the strict command of—NO NOISE.

LOCHNESS MONSTER

18th January.

Monsters have been seen by hunters in Iceland, Moscow university teams in Siberia and zoologists on Lake Tanganyika, but none so often as the Highland's own. Indeed, Mr. Richard Fitter, who makes monsters his business, is convinced of the existence of the monster.

A team led by David James, D.Sc., are going to investigate for the third time this year with multiple lens cameras and such. They haven't so far got close enough to get any effective photographs, but the evidence Mr. Fitter produced certainly seemed convincing. As far back as 1726 when the first road was built around the loch, to fifteen sightings last year—it couldn't be the Scottish moonlight.

Our friends around the corner in Cromwell Road won't have anything to do with it, so how about an IC representative for Dr. James' expedition? Openings for keen monster fans with fearless hawk eyes.

COMING EVENTS

- Feb. 1st **CLAIRVOYANCE DEMONSTRATION**
Mrs. Dora Lindsay.
Feb. 3th **ETHICAL ASPECTS OF ADVERTISING**
Advert. Assoc.
Feb. 15th **UNIDENTIFIED FLYING OBJECTS**
The Hon. Brinsley LePoer Trench.

D.S.V.



OBSERVER THEATRE



(good mornings begin with Gilliatt)

Every Sunday morning you can enjoy the razor-sharp theatre reviews of Penelope Gilliatt. She brings a fresh, astringent intelligence to the job. You may disagree violently with what she says but you will relish the style with which she says it. If you are tired of the jaded, predictable opinions of the establishment critics, begin next Sunday morning with Gilliatt. You'll find it a refreshing change.

In The Observer every Sunday

WELLSOC

TANKS 300 B.C

14 December

Mr. R. M. Ogorkiewicz (lecturer in Mech. Eng.), on his pet hobby tanks, gave an interesting historical discourse on the origin of the armoured fighting vehicle. From Assyrian chariots and Alexandrian legions to the later battering rams, many types of wheeled vehicle were used in battle.

Voltaire in 1757 suggested such vehicles as a means for honest men to protect themselves. However, as his legs were not strong enough to carry a personalized tank, it was not until the advent of steam power that in 1899 the first gun was mounted on a quadricycle.

Sir Winston Churchill was the person who associated H. G. Wells with the tank, but it was in fact B. J. Diplock who in 1910 designed the first tracked vehicle.

Wars accelerated development, but unfortunately tanks are not the monopoly of honest men, so we aren't much better off than the Assyrians or Voltaire.

D.S.V.

FILM SOCIETY

Truffant and Bentine

On 5th February the Film society will be showing "Les Quatre Cents Coups" the first feature film of Francois Truffant, the director of "Jules et Jim" and the recent "La Peau Douce." This film, which won a best direction prize at Cannes, tells of the tragic but very ordinary misunderstandings and mischiefs which push and tug a small boy and his parents towards the bleak and desolate ending of the reform school.

Also showing is the biographic film "The Do-It-Yourself Cartoon Kit." Directed by Bob Godfrey, this short film features the voice of Michael Bentine.

STUDENT OFFICERS

Many students have no idea about the functions performed by many of the Union Officers. Felix, this term, intends to rectify this matter by bringing you a series on "The Functions of Union Officers."

To start the ball rolling we have a short resumé of the work done by Complaints Officers.

The complaints officers are Adrian Fletcher (Beit 89) and Pete Walton (Selkirk 678).

Their job is to ensure that Mooney sees the Complaints book regularly and deals with complaints satisfactorily.

However their success is limited because nearly all the complaints are individual and will not occur again. This form of complaint is best dealt with on the spot, by one of the serving ladies. However

If it exists...

Masked figures creeping up Southside ventilation duct. Inexplicable lights seen in Princes' Gardens at the dead of night. Strange sounds from Beit Hall Basement. Illegible small-ads in Felix.

Rumours have been spreading that these mysterious portents are the stirrings of I.C.'s most secret society, the W...den H...se Club.



This club was formed to promote the borrowing of other College's mascots and getting stunts for Carnival. This latter is now under separate management as the Carnival Commandoes, although in close co-operation with the club, and the club now has responsibility for manufacture and keeping of MIKE the I.C. mascot.

Construction work is now in progress on MIKE although we cannot yet venture a completion date, and several plans are afoot for relieving several Colleges of several mascots. If you want to participate in some harmless enjoyment, or help with some very tricky construction problems please contact one of the following :-

HUGH AINSLEY
(Civ. Eng. III)
BARRY JONES
(Falmouth 352)
DAVE LOMAX
(Tizard 557)
DICK CONN
(Phys. II)

there is yet time for them to justify their existence if you can think of some constructive suggestions to put in the book. After all it is a suggestion book and not a Complaints book.

Sadly we have to report that Mr. (Yogi) Bishop's (President of C. & G.) private internal telephone has been removed from his room by the College Authorities. This does raise the point, that perhaps some Union Officials' tasks would be made easier if they had a private phone.

A member of Felix Staff recently made his debut on the piano at the "Prince of Wales," Holland Park. Supporters are welcome any Friday, Saturday or Sunday evening.

FOLK CONCERT

SEEGER COMES TO I.C.

IC Folk Song Club's first attempt at a full-scale concert on Tuesday, 19th January, in the Concert Hall, was an unprecedented success. Two of the leading exponents of American Old Time Country and Bluegrass Music, Mike Seeger and Bill Clifton, were the stars of a show packed with entertaining songs.

Mike Seeger's virtuosity as a musician astounded the nearly 400-strong audience, showing himself to be master of guitar, banjo, autoharp, harmonica and fiddle. The brother of Peggy Seeger, who was here last term, and half-brother of Pete Seeger, was well worth waiting for until the second-half.

STRONG SUPPORT

But this does not mean to say that the rest of the bill was poor. Far from it—the Wayfarers maintained the usual high standard and Bill Clifton and the Echo Mountain Boys gave performances easily the equal of their appearances here last October. Ivor Grayson-Smith was a new and instant success, and all four acts ably built up the atmosphere—a difficult feat in a room the size of the Concert Hall.

Song-writer Dave Golder made a surprise appearance with his own highly original material and was followed by Colin Bradford adding traditional English songs.

FITTING CLIMAX

Without a doubt the highlight of the evening was where it should be—at the end. For half-an-hour Bill and Mike came together to give a beautifully improvised session (they hadn't played together for 18 months) with an impressive array of songs

and instruments and interspersed with highly amusing banter.

The evening's entertainment was a truly encouraging start to the first term or organised mid-week entertainment under the auspices of the Jazz and Folk Song Clubs.

Brian Bull/Ian Williams.



THE COOL COLUMN

Like, there's Balls, Dances and Hops—and then you get to Stomps; but man, they're somethin' else. The scene is Wednesdays in this crazy wooden pad, and there's swinging wall-to-wall Jazz.

Some guys standin' up there givin' it out real hot and rocking, and then they all leave with their horns and things, and some more guys come on the stand and make it cool. And there's these dolls around blowing out candles to make it dark; and dancin' and things.

Man, these Southside Stomps are really somethin' . . . like when you're there you're floating high. And everyone is hip, like some are dancing or just standing there, and some are talking and drinking and it's a gas. Man, I just can't wait for a second shot . . . crazy, like it's tonight, so make the scene.

RIMSHOT

SHORT TAKES

A Conference is to be held on Saturday 30th January at I.C.U. on the Future of Student Organisation in London. Representatives of all Colleges, Training Colleges and Technical Colleges have been invited.

At the first S.S. Stomp on Wednesday, 13th January, members of staff were present in the Mews armed with a Decibel Meter. The readings ranged from 46-49 decibels. (The recognised nuisance value is 56.)

When College development was being discussed a letter was sent to the Victoria and Albert Museum asking if they would like the Huxley Building back. Reply: "We haven't a showcase large enough."

A foreign student has applied to the Aero Department asking to be taken on for a degree course. His qualifications: 0 "O" Levels!

SENNET has had another change of editor! Jo Roll succeeded in surviving only one issue before being dismissed last week for failing to eliminate sensationalism—the article that particularly led to her downfall was the front page "exposé" on drug-addiction in London University.

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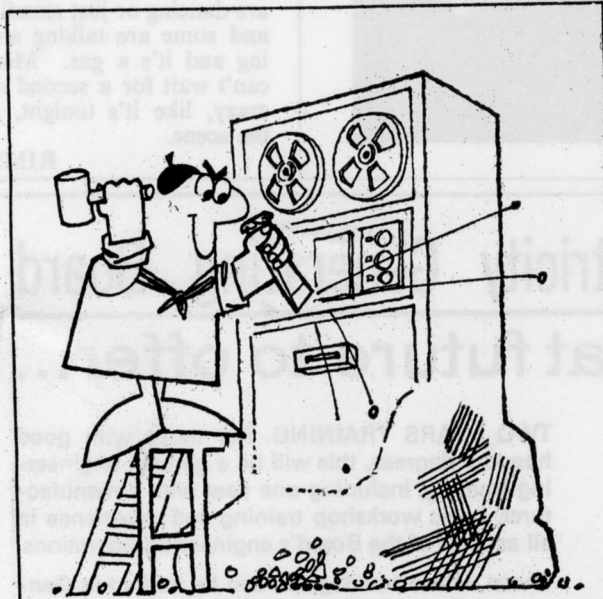
GENTLEMEN OF MINES

The Mines Ball

The Ball held on the 18th December was a fitting finish to the term and the foreign students visit. The most successful and enjoyable in recent years many Minesmen of repute and long standing have been heard saying and considering the £20 bar profit they are no doubt right.

The President's sherry party at the beginning of the evening brought our guests together, they included the 11 foreign students who for the first time were able to view the bevy of beauties assembled for their escort. The foreign students, used to an awkward situation being miners, quickly overcame any language problems and judging from the comments heard afterwards really enjoyed the evening. The excess sherry was quickly consumed, it being the loser's prize at roulette.

The decor of the concert hall was skilfully transformed with simple decorations and plentiful flowers. This with the combination of a first-class band, good supper and excellent bar service, helped to make the Ball a memorable one. Even the cabaret was applauded. The sketches were good and most appropriate in certain cases.



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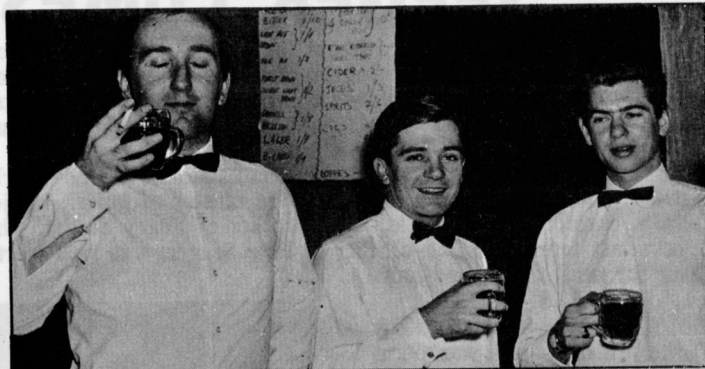
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Our representative will be visiting Imperial College, London, on 11th February. Appointments should be made through Secretary to the Appointments Board.

If you can't see our man; write now for *Careers in Computers*, quoting ref. No. FE. G.24, to E. J. Rowley, University Liaison Officer, English Electro-Leo-Marconi Computers Ltd., Har-tree House, Queensway, London, W.2.

ENGLISH ELECTRIC LEO MARCONI



Stephenson Hockey Cup

After soundly thrashing both Guilds and R.C.S., our team for the first time in approximately ten years have won the inter college hockey cup. A combination of team spirit, skill and spectator encouragement gave us victory against R.C.S., a far stronger team on paper.

Scores: Guilds 1—Mines 3. R.C.S. 0—Mines 2.

It is hoped that this year will see Mines with all three cups for Rugby, Soccer, and Hockey.

Guildfinger

The column born of our age,
replacing the old Spannerama.
The column that gives you the
news and views of Guildsmen.

Well, that was Christmas, that was, together with the usual round of fowl food, and turgid ale. Everybody extrudes goodwill, and makes the annual pilgrimage to church or panto. The intrinsic value of London sewerage rose 50 per cent. over Christmas, but now that all the gorgy-orgies, and eternal family "puke-togethers" have tardily passed, what has happened, will happen, or might not happen in the world of Guilds.

Carol Singing

Sixty-three Guildsmen and the self-mobilising mascot assaulted the sound perceiving organs of 14,400 of London's West End Gallants, each of whom stumped up a turgid penny, thus raising the crabby sum of £60. That should just about re-roof one Notting Hill bog. It would not have been so bad had it not been so cold that the clinking of brass was not all shekels in the kitty. Of course, everybody enjoyed themse'ves, and all had diddled back to Southside before the catacomb doors were barred at 12.00 o'clock.

Engineers' Dinner-Dance

This is the great formal occasion when a few people who are somebody, and a lot of people who know that the somebodies are nobodies, all dress up in their special duds, hired from Moss Bros. at 3 gns. a time, and stuff their gizzards with a meal hired from Mooney at 5 gns. a time. The cabaret stars that diaphoretic piece of goods, Evelyn Dorat. Double tickets are only 55/- from crotch Joe Collins. Of course if you haven't got yours yet then you've missed the whole turgid show anyway, cause they have all

been sold. However, "fear not" quote Joe, seventeen tarnished shillings and a tanner get you a ticket to dance, listen, or scream at Paul London and the Mind-benders. It's certainly a total happening in the Union Building on February 5th, and I guarantee euphoria.

Union Meeting

On February 11th, the first Guilds Union meeting will twitch into life. This will really give you a belt in the Lumbar region, for it is the occasion of the Guilds *Festival of Music and Culture*.

Music and Culture

Each crotch department does, or does not, depending on their degree of privation of initiative, produce a panoramic playlet, and the congregation fracture themselves at the vocabulary "noir." Any department whose artistic ability has not slipped down the plug-hole, should chat the Festival Director, crabby Brian King. The rumour that Mechanical 1st Year will win is not necessarily true!

Films

The Guilds entry into the world of cellulose and "dahling" should happen in late February. If a few Guildsmen get their backsides of their brains, and operate their retread minds, we should have something to film other than the "Festival," shot in the park rather than in a lecture theatre.

So you see, there are lots of gear goings-on in Guilds this term, which will really fracture you. That is fracture you, if only you will get your minds out of neutral. If not, we might as well all go and join R.C.S. in the race to become dull scientists.



Carol Singing

The usual Christmas tour round London's West End led to Leicester Square. A large crowd outside a cinema seemed a ready-made audience of potential half-crowns. However it turned out that Princess Margaret was at a premier there. A half-hour row with a police inspector ensued, because we had the wrong permits. In spite of the Vice-President's experience with the police, he bumbled out of it somehow. Some Minesmen were later seen fouling the Science Museum, and unfortunately our collection was confused with theirs. Total was about £50.

Jez would have been a useful

attraction; she should be on the road by the end of this term though, if Bruce Copper can get some more paint-stripper. Volunteers welcome at the garage behind Chemistry on Wednesday afternoons.

Union Meeting

The first one will be on Thursday, February 9th unless I.C. have one, in which case it won't.

Tramp's Ball

To be more exact, a scruffy jeans-and-sweater-type party will be held at an undisclosed teacher's training college (for women), on Friday February 12th. Coaches go and come, and tickets will be on sale from year reps. in due course. It is hoped to have the Wayfarers there.

DEBATES

Too few people come to a debate with the intention of speaking themselves. With no speeches from the floor, it would cease to be debate and the audience might just as well watch a one-act play at lunch-time.

Heckling has its value, for it need not be destructive, but was almost non-existent last term. The exception was the Union Debate, the last of term which though the poorest attended (only 33 came), was by far the best. The fact that the motion was somewhat abstract has been suggested as a reason for its poor attendance. It is with this in mind that the following three motions have been chosen for the Inter-Collegiate Competition:—

“That Columbus went too far.”

“That nightcaps are more satisfactory than knighthoods.”

“That Ireland owes more to Guinness than to St. Patrick.”

SPRING PROGRAMME

The Debating Society's programme for this term includes an evening debate on February 2 when Edward Gardner, Q.C., M.P., will propose that the death penalty be retained. Dr. David Kerr, M.P., will oppose.

Anne Heywood (the 1961 Peter Pan, will propose on February 18th “That this house believes in fairies”).

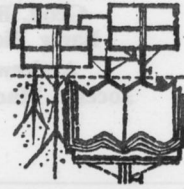
The Rt. Hon. Enoch Powell, M.P., a former Conservative Minister of Health will propose on March 18th, the next Union Debate, the motion of “No confidence in her Majesty's Government.

At the end of February, a team of six will take part in four debates in Belfast, Dublin and Cork. The places have not yet been filled, and before they are finally decided, the many able people, who have so far not spoken at debates this year must be heard. Do come to speak—and show that you are a candidate for this tour.

(From an article by D. K. Reich, President of Debates.)

Musical Society

presents a



**C
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In recent years the musical scene at IC has been incomplete. This year, however, the situation is being rectified by the inclusion of a symphony concert in the year's programme.

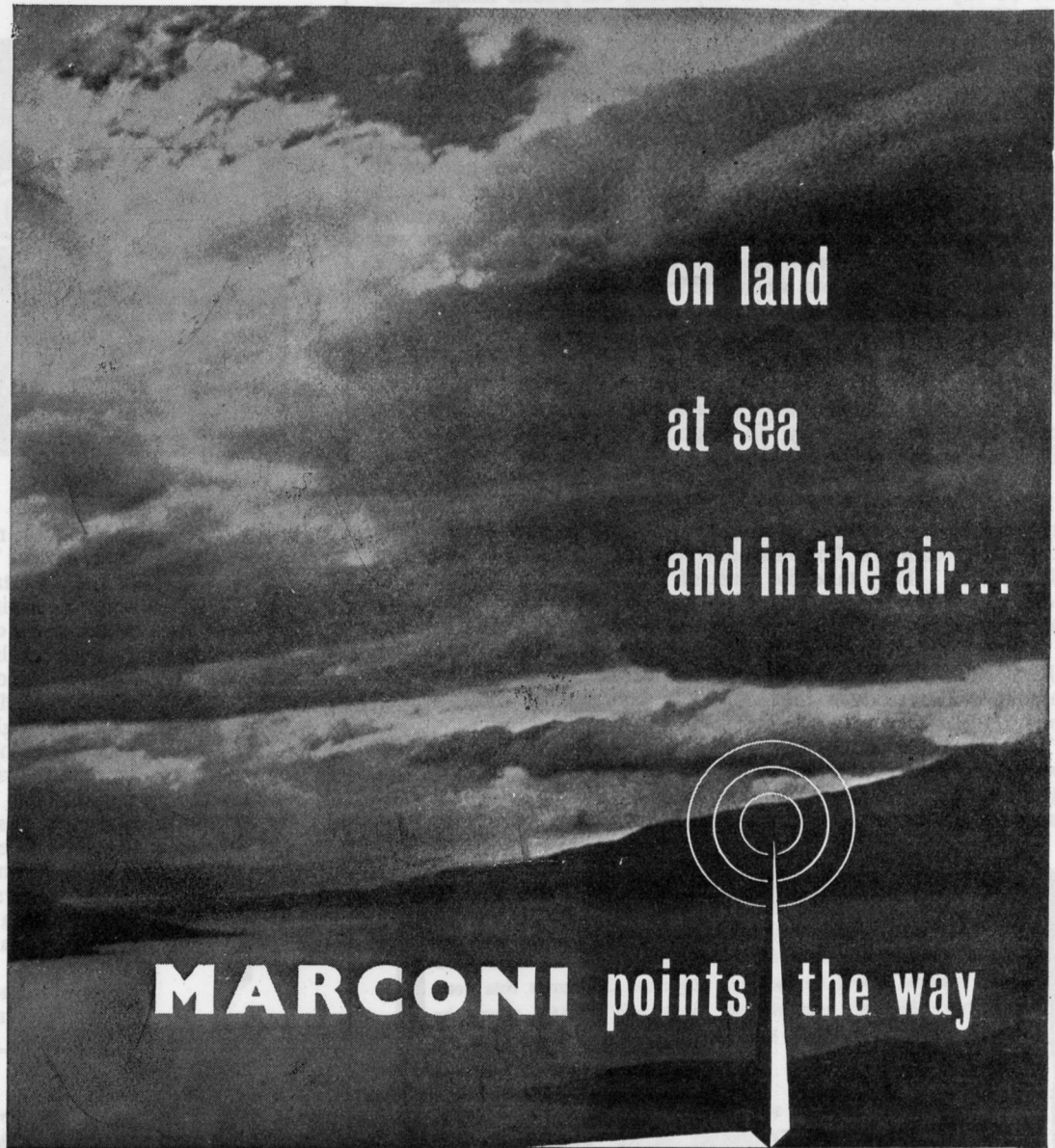
Amateur orchestral productions have a notorious reputation,

probably founded on the memories of the school strings. This is certainly not justified at IC as will be demonstrated on Feb. 1st when the college orchestra will be performing symphonies by Mozart and Beethoven.

The Mozart symphony No. 29 is a lesser known but delightful example from this great Classical composer. In contrast the Beethoven symphony No. 8 is an accepted masterpiece of the Romantic period.

To complete the evening we are playing Vaughan Williams overture “The Wasps” and an unusual contemporary work scored for 30 percussion instruments, a rare combination!

It is hoped that all musically minded members of college will support this function at 8 p.m. in the Concert Hall. Tickets will be available from members of the orchestra and in the Union.



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OF IMPERIAL COLLEGE UNION

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PUBLIC IMAGES

After the upheavals of the new Union Officials settling down last term, a few new ideas are beginning to develop from the embryo stage. By far the most important of these is the proposed European Conference for Technical Students in Manchester during the Summer vacation. This is one of the very few outward looking ventures in which I.C. has ever participated, and the publicity we shall receive should do any amount of good in improving our public image.

Far too many people in the past have regarded students as irresponsible layabouts; it does appear, however, that this attitude is slowly changing. On the B.B.C. programme "Any Questions" last December John Freeman, in particular, thought that students are responsible beings. The Kensington Post praises I.C. in its selection of the Notting Hill Housing Trust as this year's charity (see below).

To live up to this slowly improving image, we must beware of letting our spirits carry us away, if and when participating in rags of any sort. Morphy Day this year and the Festival Hall Carnival Raid two years ago were successful—for little inconvenience was incurred. But Morphy Day 1962 went to the other extreme. Zebra crossing snakes are fun, but when traffic is held up along the whole of Cromwell Road, no wonder the public are dubious. (If the rumour now circulating of placing a zebra crossing outside Mech. Eng. comes off, we can be sure it won't stay long if it's misused every other day.)

The Carnival Commandoes always come into a good deal of criticism for rowdiness—they do a good job—they collected over £1,200 last year in the West End.

TO THE COUNTRY

Silwood Park—to most people the name conjures up a place where zoologists and some botanists disappear in their third year. It is also the venue for Touchstone Weekends. These weekends are excellent value. They take the form of a prominent person making a short speech introducing a topical subject, which is followed by discussions. Both staff and students are welcome, the charge being only 15/-. This term's weekend is on February 6th-7th, when Sir Michael Wright, G.C.M.G., a prominent British spokesman on Disarmament, will introduce the topic "Is far-reaching disarmament Utopian?"

Touchstone is one of the few ways we have to improve our knowledge on specific matters of general and topical interest. I sincerely hope that this term's Weekend will not be cancelled for lack of support; as happened the last Touchstone Weekend.

But for Kensington's two principal housing trusts, the Kensington and Notting Hill societies, we shudder to think how many families would be facing a cheerless Christmas this year. Both have had an exceptionally busy and fruitful year; the Notting Hill Trust alone has raised well over £50,000 in its first year.

This trust was recently adopted by students of the Imperial College of Science and Technology as its "beneficiary"—and this is typical of the help the society is getting from students generally. In addition to collecting money for the Trust students have been hard at work on one of the Trust's houses in North Kensington. They have been scrubbing floors, scraping off the old wallpaper and generally preparing the place for the builders who will complete the conversion of the house.

(Which goes to illustrate how stupid and unfair it is to condemn students as a whole as selfish and irresponsible.)

Extract from editorial of the Kensington Post 25th December 1964



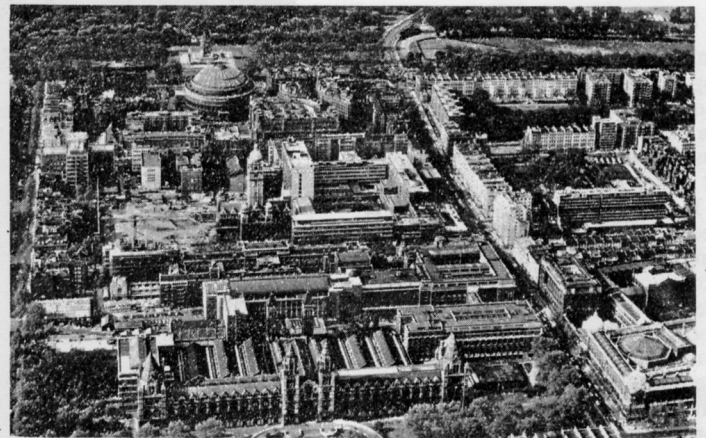
C O L

THE VISITATION

Every five years the University Grants Committee visits the college, and meet representatives of the students, among others, for a discussion on any problems or ideas they have. It is extremely regrettable that although the visit this March was known about well before the end of last term, no effort was made by the President to ask reps to prepare memoranda of the opinions of their years until last week. This gave most of them four or five days to do the job, hardly enough time for documents to be prepared. Incidentally, rumour has it that plans for the Sports Centre in Princes Gardens arose as a direct result of the last quinquennial visitation—is it too much to hope that the place will actually be built after this next one?

I.C. EXPANSION

My picture is a copy of a post card available from the Domestic Bursar's office, and entitled simply "Aerial View of Imperial College of Science and Technology." Surely, Mr. Seaford, we don't own the whole of the G.P.O., three museums and several embassies, not to mention the Albert Hall. I still can't get into the latter by showing my Union card, anyway!



THE BIRD

I'm still not quite sure whether the hour I took to read "Phoenix" last night was well spent or not. Certainly "Sussex Rides" was one of the most entertaining short stories I have read lately; certainly the centre page mythological zoo was well drawn, if a little out of place; and certainly my intellect couldn't raise or lower itself sufficiently to appreciate Mr. Lindsay's and Miss Youle's writings, although I understand that one about the abacus—I think; certainly most of the articles, especially Brian Bull's, were worth reading. I suppose this all adds up to a qualified success. However, I still remain unrepentant in the belief that the content does not justify the high class/cost printing techniques used. Above all, the magazine is too impersonal and "well written" to really appeal with a character of its own. I also wonder if all that blank space is "artistic" or just due to lack of copy. Finally, a reading tip—"Margin of Error" is much more enjoyable if you imagine Cyrus Balcombe in the astronaut's seat!

C U T

SMALL ADS.
POSSIBLE THAT TWO COULD BE ACCOMMODATED AT THE COST OF £3 PER WEEK EACH. PLEASE CONTACT M. KAY, PHYSICS III, THROUGH UNION OR PHYSICS DEPT. RACK IF INTERESTED, OR RING FRO 1482.

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SMALL AD.

Wanted for making I.C. mascot MIKE, any available pieces of scrap brass, bronze, copper or aluminium. No bit too small. URGENT AND VITAL — all scrap to 352 Falmouth please.

Phoenix — Two Views

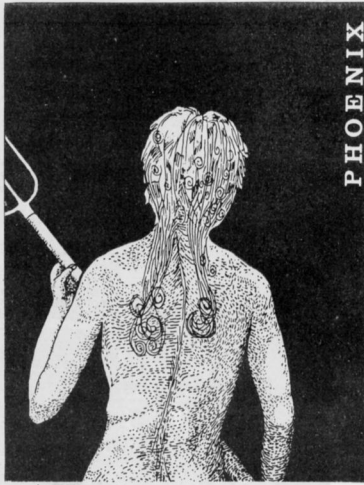
By J. M. NOTLEY
(Editor, Scrutiny)

As early as last November, the editor and sub-editor of "Phoenix" approached your reviewer in the Beit Quad and persuaded him to write a few words on the latest issue. He accepted, but not without misgivings. What could one have said about previous "Phoenix"? One had to be an "arty type" to appreciate most of the content of last year's issues. To the plain, unassuming scientist it was so much trash. Surely Shakespeare turned in his grave!

This issue is a considerable improvement. The presentation and the format are of the same high standard that "Phoenix" has always set. The articles are well written, both in respect of the standard of English and in their readability. It was pleasing to find that in general those stories with a veiled meaning yielded their secrets with a little prodding.

Whilst one cannot vouch for the factual correctness of the articles on the development of the College, and on higher education in Israel, they contain a wealth of detail, evidence of considerable hard work on the part of the

authors. The pretentiousness in style and concept of the scientific literature was shown up for what it is worth.



One wonders to what can be attributed this singular improvement in a magazine which until recently was rapidly approaching its doom. Can it possibly be connected with the appointment, as deputy editor, of a former editor of "Scrutiny"?

By D. I. WILLIAMS
(Assistant Editor, "Felix")

The latest issue of "Phoenix" appears to continue its recent chaotic course. The face may have changed, but the spirit remains the same.

The cover lacked the striking qualities of its two predecessors



(the bird on the Union door would have been more appropriate and striking). Presentation was spoilt by the complete lack of photographs—an opportunity was missed to polish Paul Rogers' informative article (many photographs are available of college development in progress and of models of the future look).

Poor presentation also must have deterred non-Israelis from reading Carol Thompson's article on education (and her editorial was a tedious skeleton out of the cupboard). But Brian Bull's item was excellent (though I know of one English folksong collection of

1882) and should surely further his cause.

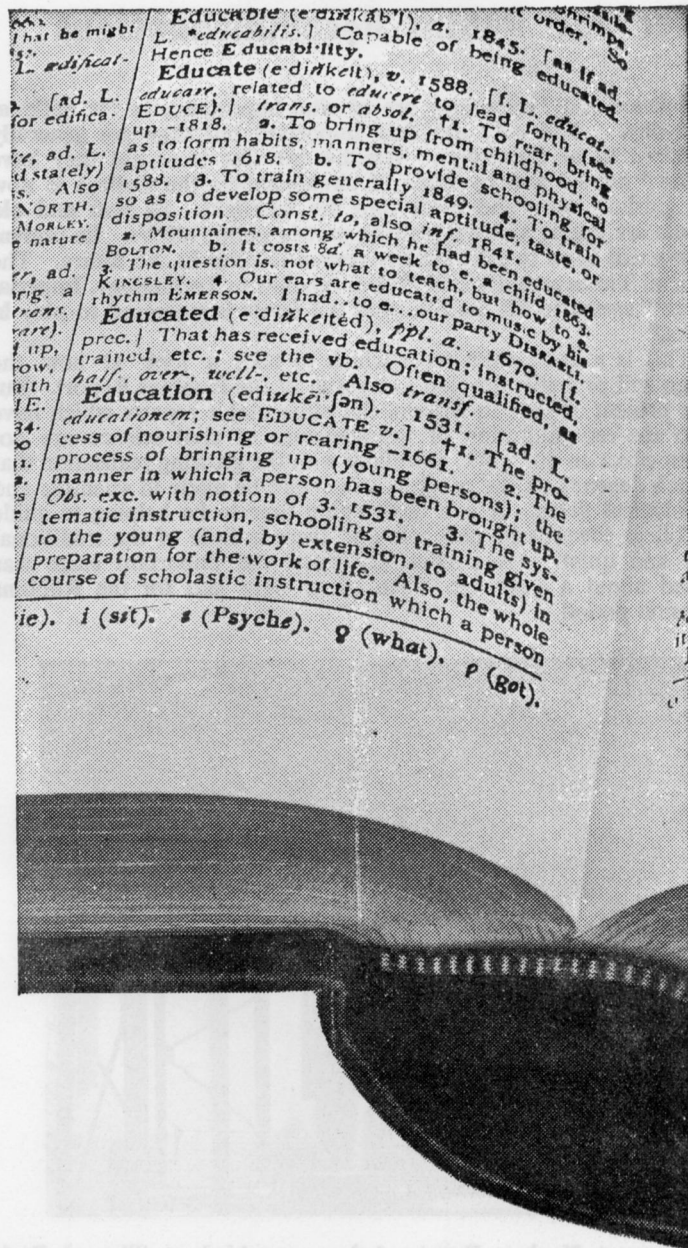
Tony White's story too was well conceived and executed, and his characters were convincing (his Welshman is my room-mate!). Chris Wright's science-fiction was mediocre. Peter Hall must have had a nervous breakdown, and one hopes that this was the worst example of his literary powers—as also Reg. Lindsey.

The same may be said for the poets—only three lines of Christine Youle's "Lament" made any sense! and Bruce Gregory should stick to his abacus.

Artwork, however, was generally good, but it was unfortunate that Chris Wright's mythological figures were titled only in the Contents. But I preferred Brian Bull's block colour to Mr. Wright's dots, dashes and Topolki impressions.

No amount of quotes filched from Herodotus, Byron or Shaw, items from past issues, or tongue-in-cheek hints for thesis-writers can compensate for poor original works.

As in so many other Union activities the main problem is apathy, and a small nucleus of diehards are left to struggle amateurishly on. Remedies: More contributions, please (greater competition is bound to improve the magazines quality next copy date February 1); and "Phoenix" staff, see what the national magazines do, and try to emulate their better points (why not start with the Reader's Digest?).



TO EDUCATE IS TO LEAD

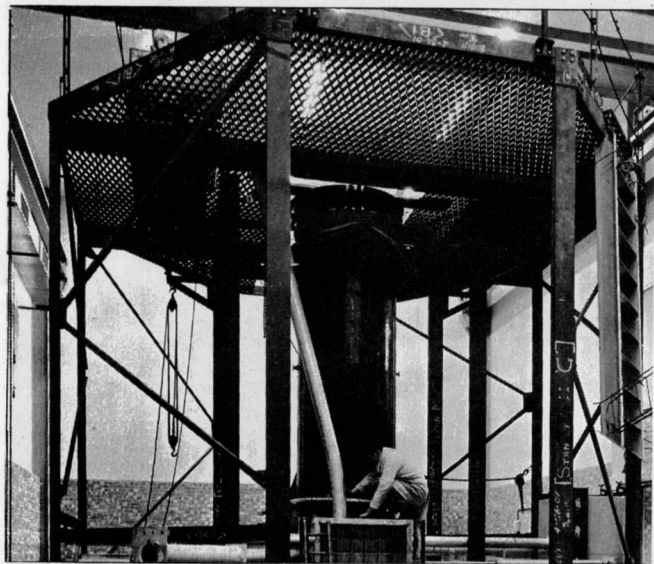
Never has there been greater need for such leadership, or greater opportunities for teachers to take this lead. Education today is full of new life; one of the major growing points of our society. To people of ideas and initiative, it offers a creative career of increasing scope, in which they will be able to make use of their talents and attainments to the full. Many exciting new things are happening in the education service... things in which *you* might take part.

Ask for the new booklet, C.E.G., at your University Appointments Board, or from the Department of Education and Science, Curzon Street, London, W1.

The Rector, Sir Patrick Linstead writes on the future of I.C. under the Robins Recommendations

Science and Technology are of vital importance in the national life to-day. Not only are they important but they are generally recognised to be important. Whether we like it or not they have become "news," and by force of circumstances the College is now being pushed more and more into the limelight. Its staff and old students are taking an ever-growing part in public affairs. Its present students will have to take similar responsibilities in the future. The Financial Times recently said that in relation to Technology, Imperial College "seems to fill the role that All Souls is supposed to play in politics."

This is a good point from which to take a look at how the College will probably develop as a result of the Robbins Report. But in the present climate in Britain, the other major reports which have led to the reorganisation of the structure of civil science are not without effect on our work, especially with the growing realisation that so much depends on the progress which can be made in scientific and technological fields. It is a challenging time to be helping to guide the College towards its new role and there is little of the traditional peace and quiet. A particularly busy and important stage was reached about a year ago when plans were laid for the Robbins expansion period.



The Consort Nuclear Reactor being assembled at Silwood Park.

Photo by kind permission of G.E.C. Ltd.

THE ROBBINS REPORT

Tactics to deal with both the emergency national shortage of places for undergraduates and the long-term expansion plan had to be settled quickly. We were not caught exactly unprepared by the recommendations of the Robbins Report and the unforeseen speed with which we were asked to submit our plans caused no insuperable difficulty. A committee, briefed to study our long-term academic policy, had already gone some way in its deliberations. What was practicable in physical and academic terms could be assessed realistically against the background of our previous ten year expansion programme. Above all, the College already showed some of the characteristics of a Special Institution towards which it was asked to chart its course—its level of teaching and research in Science and Technology, its very high proportion of postgraduate students, its very good equipment and technical assistance. In framing plans for the future, therefore, we could

take into account other characteristics of these Institutions—their recommended size and diversification into related fields.

IMPLEMENTATION OF THE PLANS

Taking the plans for the emergency period first, further expansion has already started and the first group of undergraduates have begun their courses. Extra places have been provided in the Mathematics department, where 52 and 53 Prince's Gate, have given elbow-room to start a second undergraduate honours course biased towards the industrial and statistical applications of the subject. By reorganising the use of the building and splitting the first year into two sections for laboratory work the Physics Department has been able to increase its already very large undergraduate entry. Extra Engineering places will be possible on the completion this summer of the last stage of the Mechanical Engineering building with more accommodation for the common first year course and with the

THE NEXT



The Aero and Chem. Eng. Extensions under construction. Summer 1964.

roofing-in of the space on top of the Electrical Engineering building. Nearly all the first wave of extra places are being provided in these three main fields. In numbers they are expected to build up to perhaps 450 more students per annum.

According to the long-term plans now with the UGC there should be 4,700 students at the College in 1973-74. In the intervening years, the emphasis will shift from undergraduates to post-graduates as the emergency of "bulge" expansion is gradually absorbed into the main one. Indeed towards 1973-74 the proportion of undergraduates in the student population will fall. In the ten years which lie ahead it does not seem practicable to achieve the Robbins recommendation that half the students should be postgraduate, but the proportion should reach perhaps 43 per cent. In the total of 4,700 students are included 400 Architects which will be the major diversification into fields outside Science and Technology.

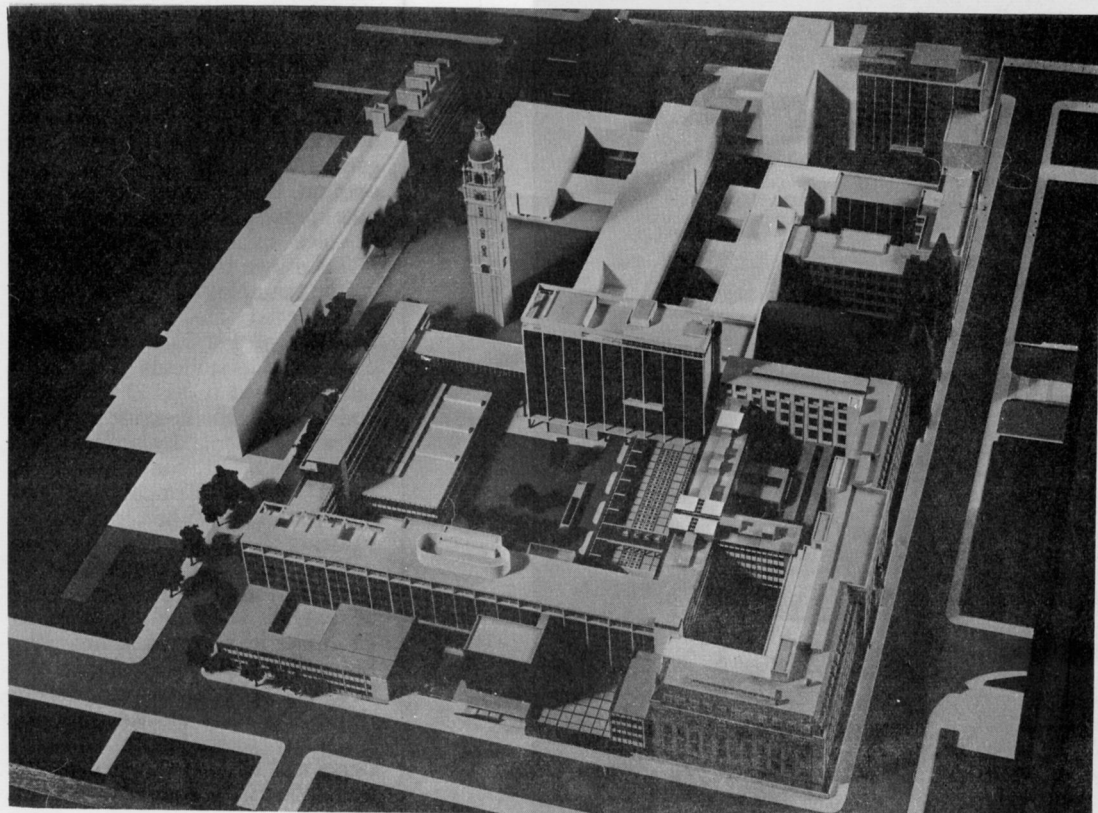
REBUILDING PROGRAMME

Major physical changes necessary before there is room for 4,700 students in South Kensington are: the new College Block (Administration, Great Hall, libraries and social areas), the demolition and rebuilding of the

Royal College of Science Building (for Chemistry), and a massive southern extension of the Physics building (mainly for Mathematics and Meteorology). It is planned that the students of Architecture will have a building in the vicinity and we can look forward to more residential and social developments in Prince's Gardens. At Silwood Park, where facilities are an essential complement to those at South Kensington, the first step will shortly be taken in an expansion of the academic and residential accommodation. This is already inadequate for the growing numbers requiring to use the Field Station even for short periods only.

That is a sketch of where we expect to stand ten years hence but as the years go by the various developments will take place in fits and starts as buildings become available, equipment is installed, staff appointed etc. Members of the College in the years immediately ahead will find that there are many more undergraduates around and that all accommodation—academic, social and residential—will be heavily used since buildings will probably not keep pace with the rise in numbers. Towards the 1970's the physical shape of the College will be clearer and, we hope, most of the building upheavals over. Many of the academic developments now

TEN YEARS



CENTRAL SITE. The proposed layout. Foreground, the finished Guilds Quadrangle. Left, the new Chemistry Building and the newly finished Biochemistry Block. Opposite Biochemistry, the proposed College Block.

actively being discussed should be part of our ordinary work.

LIVING WITH THE ARCHITECTS

The major change to which we shall have to become accustomed is a fourth constituent college when the School of the Architectural Association moves from Bloomsbury to South Kensington. We are looking forward both to working together in fields of mutual interest and to the enlivening influence of those from another discipline. A great deal of financial support will be required and we expect that it will be some years before the union is achieved, though this is a particularly busy time for those working out the arrangements.

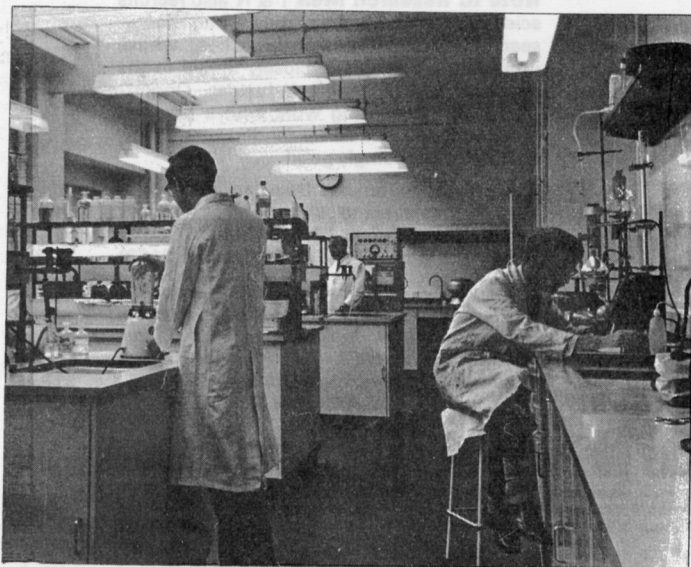
In our own undergraduate courses there are unlikely to be major changes in the pattern, type and length. Students will be accepted to read for honours degrees in primary disciplines and study in more specialised fields will continue to be deferred to the postgraduates age. I hope that it will be easier for undergraduates to transfer from one department to another and that there will be greater freedom of choice and variety in the courses for ancillary subjects. These might

extend to subjects outside Science and Technology and to those given in other departments.

POSTGRADUATE DEVELOPMENTS

At the postgraduate stage one year courses of study will constantly develop and change. This is a dynamic part of our work

which responds very quickly to meet the needs of industry and government. A recent example is the course on Transport, started less than a year after the publication of the Buchanan Report. Many of the most active scientific and technological fields at the moment border on different disci-



Post-graduates at work in the renovated Plant Physiology Laboratory, Botany Dept.

plines. Several of our courses are designed for these workers and further cooperation between departments—and not limited to such courses—may be expected. We shall be taking a look at three particular areas—earth sciences, life sciences and natural resources. It is a fairly safe prediction that our computing facilities, soon to be operational, will increase the tempo in many fields. Even in the next decade fresh growing points, at present unforeseen, may spring up at the College, but some space has prudently been reserved for them in our long-term plan.

RESIDENTIAL AND SOCIAL LIFE

Most of the additional residential and social provision will be provided through the full development of the sites in Prince's Gardens. The next two projects will, we hope, be the Sports Centre on the north-west corner, and New Hall in the south-east one. The refectories and common rooms in College Block will provide another main centre for social life, and conveniently near the libraries.

In writing of the future the most important point can sometimes be overlooked; that the College only comes to life through its members—its staff and students. To them much is being given and from them much will be expected. The years ahead are full of promise and opportunity.

PATRICK LINSTAED.

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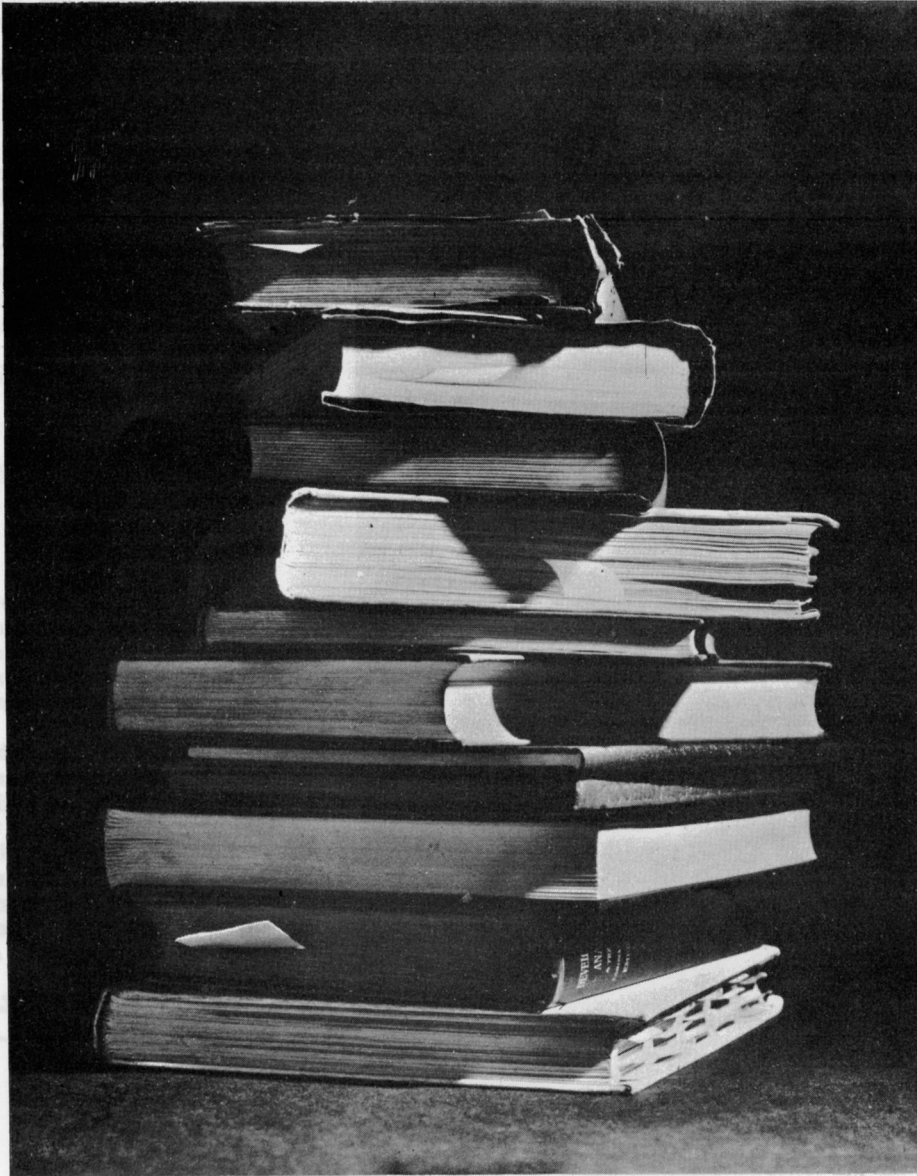
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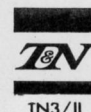
Note to Research Men T & N also recruits scientists and engineers direct into its research and development branches, whose projects are particularly closely linked to the needs of the expanding industries. Opportunities for supervising work with a practical application, as well as for fundamental study, are thus outstandingly good.

Ask your Appointments Board for further details, or write direct to: Management Appointments Adviser, Turner & Newall Ltd., 15 Curzon Street, London, W.1. (Tel. GROsvenor 8163)

The Turner & Newall Management Appointments Adviser will be visiting Imperial College, London on Thursday 11th March 1965. If you would like an interview, please contact the Appointments Office.

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N.U.S.

Imperial College must stop being parochial. The issue of affiliation to N.U.S. is again being raised because of the changing status of I.C., and the fact that under half the present students were here when the issue was last raised two years ago.

Many students argue that I.C. can voice its opinion nationally without joining N.U.S. But what hope have 3,000 students in comparison with the 250,000 members of N.U.S. N.U.S. is in fact regarded as National Student opinion, Government Committees take notice of it, and also it has a voice in Parliament through M.P.s drawn from all parties.

For example, through pressure, it achieved the reversal of a Ministry of Pensions decision to charge P.G. students the heavy self-employed (Class 2) N.I. rate, and has gained the concession of allowing students 6 years in which to pay back N.I. contributions. It is at present campaigning for contributions to be credited to students throughout their studies.

We will not, however, be swamped, in the vast membership of N.U.S. I.C. will be able to continue in its present manner, but will also have a voice at the bi-annual N.U.S. council, where the executive is elected, motions on many topics concerning students and education are debated, and action is decided upon.

Advantages

There are many activities in which affiliated colleges may take part, including the "Observer Mace" debating competition, the N.U.S. Drama Festival and the Student Newspaper Competition. There are also many concessions available to individuals such as cheap travel, charter flights, vacation employment (non-vocational) scheme, and discounts in various shops. Admittedly, these concessions may be obtained by individual members of N.U.S. (who pay 15/- subscriptions) but these members have no voice in the council of N.U.S.

At the present rate of 1s. 3d. per member the cost of joining for all I.C. would be about £200 p.a. plus about £100 to send delegate to council, which is less than is already paid by individual members of I.C. to N.U.S. This fee will rise to 2s. 6d. in 1967/8. This amount is very small in the light of the c.£16,000 annual budget of I.C.U.

Will our money be wasted by N.U.S.? Consider the benefits and work done by N.U.S., and also the fact that of the £500,000 annual budget of N.U.S., only £16,000 comes from student subscriptions.

The issue will be further discussed, and more information will be forthcoming in Felix and at an N.U.S. Forum.

PENELOPE WILLIAMS
MIKE EDWARDS

Dear Sir...

Dear Sir,

I understand that the column "Foreign Affairs" is written by Chris Lampard of Aero 1. Surely he is supposed to give a brief survey of events in other colleges, not his personal opinions. In the last edition he used the fact that only six students turned up from Kings to an Anti-Apartheid rally as an excuse for a long harangue, full of sarcasms, such as (zealous anties and "pink student-politicians."

Let's get a few things straight, Mr. Lampard. You don't have to be a communist, or even a fellow-traveller, to be revolted by the brutality which exists in S. Africa to-day. The country is a police state, geared to the suppression of the black population. The blacks are unable to hold political meetings, belong to Trade Unions, vote in a General Election, hold any position of responsibility or power, or even move about the country without police permission. Peaceful demonstrations are impossible—remember the Sharpeville massacre? Those people were unarmed; they were shot in the back running away from armoured cars. (The armoured cars were sold to the S. African Government by Britain. Does that mean nothing to you?) Mr. Lampard asks "is everyone really in sympathy with a terrorist movement?" I suggest that, regrettably, no other course of action is open to the blacks.

As for "meddling in the internal affairs of another country"; nobody lives in splendid isolation these days. What happens in S. Africa concerns us, here and now, the more because we do an ever increasing amount of trade with S. Africa, including a song which goes "If you make money from Verwoed, how can you tell him that he's wrong?" It's easy isn't it, Mr. Lampard, you just keep your eyes shut tight.

Finally, I must level some adverse criticism at the editors, Messrs. Walker and Williams, for allowing this to be printed, for purely by accident, I saw the copy before going to press, and voiced my opinions. I'm afraid that, if Felix is prepared to print articles such as this, then I am not prepared to give my services to Felix any longer—you may consider me resigned.

B. J. BULL
(Felix ex-cartoonist).

Ed: Due to an oversight C. J. Lampard's name was left out from under his Foreign Affairs Column in issue 211.

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ANTI-APARTHEID

In your last issue you printed something purporting to be a news item under "Foreign Affairs" entitled "Anti-Apartheid Apathy" concerning the attitude of students of Kings College. However, it mainly contained a series of naive opinions.

The Anti-Apartheid rally was to protest against the discrimination which exists under an oppressive regime, and not to condone acts of terrorism. It is one of the tragedies of the South African situation that there can be no democratic opposition, and opposition to the regime can now only take the form of revolutionary and terrorist activity. It is because we foresee the repetition of an Algerian situation that we oppose Apartheid.

The writer accuses us of "meddling in the internal affairs of another country." This opinion is superficial. Surely the writer must realise that the present course of events in South Africa will lead to a collision, which could easily be a war extending over the whole African continent, if not the world. For South Africa has most of the major problems of the world in microcosms, and to be apathetic about Apartheid is to be apathetic about many things.

Yours sincerely,

BARRY UTTING (Chairman), ROGER A. LOVE,
ROY CLARKE (Secretary), HILARY A. F. THOMPSON,
I.C.S.F.R.E.

what part does

THE PHYSICIST

play in ICI?

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This extract is from *Research Opportunities in ICI*—one of a series of leaflets published by ICI for the information of physicists, mathematicians, engineers, chemical engineers and chemists who are considering a career in industry.

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RESEARCH OPPORTUNITIES IN ICI

Write to: D. B. Hughes, Central Personnel (Univ.), IMPERIAL CHEMICAL INDUSTRIES LTD., LONDON S.W.1

Return Ticket

5.15 for 5.45 said my invite, so armed with pencils and a "reporter's note pad," our representative turned reporter arrived at 6 sharp, knocked back a quick cup of lukewarm tea, and was in position, pen poised, when President Price hit the table with his hammer sharp on 6.09. The 112th meeting of the Imperial College Union Council had begun.

As usual, many things were discussed and many words spoken. The results were new constitutions for the Silwood Park Union Committee and Felix (Kearns: "I didn't hear that." Price: "Too late, it's been passed."); a new external affairs committee (chairman, Saxton); the present of a return ticket to the next Union meeting for Keith Cavanagh and motion; a grant of £68 3s. 0d. (cut from £150) to enable the Debating Society to go to Ireland (and return again?); and a potential new look Ents. committee.

The last-mentioned will probably affect most people. Vice-President Mair reported that the investigating body, after some initial difficulty in deciding what entertainment meant, had recommended that the present Ents. Committee should be expanded to include the presidents of the Film, Folksong, and Jazz clubs who

would sever their connections with R.C.C. Effectively, this will mean that all College entertainment will be coordinated through one committee, and the differential entrance fees to functions will be abolished. Regular mid-week jazz and folk sessions and Sunday films look like being the order of the day in the near future.

Cavanagh was half-way through proposing his motion about organizing a lecturing methods conference, when Collins put down a procedural motion against the motion being put (got that?). Several members agreed that if motions were to be sent to Council from inquorate Union meetings, then there was no point in having a quorum in the first place. Anand (quote) "clarified" the issue and thought the motion a good way of dispelling the clique image which most students had of Council, but Collins was heavily supported when it came to voting. Secretary Utting complained that the issue had been badly mishandled by Price, the latter agreed and apologised, and Cavanagh departed.

Alarmed by intelligence reports of "armies of lab. assistants" using Southside facilities illegally, the Executive announced that it had decided to hold a card check in Union buildings this term.

Exploration Society

Sir John Hunt

The Exploration Society continues to attract well-known and entertaining people to come and talk. On Tuesday, 19th January, Sir John Hunt, of Everest fame, gave an illustrated talk on a trek he made with 9 other mountaineers and 22 young people, ages 18-20 at present working in Industry, through the Pindus Mountains, Greece, in April 1963.

As far as he knew this had never been done before and the party travelled over 200 miles on

foot in 17 days. Some of the colour slides he showed were of superb quality, and gave a real insight into the barren country of inland Greece as well as the hardships involved in making a trek across the snow covered mountains.

This year Sir John hopes to take a similar party to Poland.

The next meeting of the Society is on 2 February, when the subject will be Aerial Photography.

Don't say I didn't tell you! Concern was also expressed at shortcomings in the duty officer system, or rather in some duty officers.

FOR WELFARE

Cabaret time, and Tye produced a specimen heavy type college scarf for approval. After a convincing demonstration of the inadequacy of a "five-footer" on Tye's ample form, it was unanimously decided to order the thing in six foot lengths.

A spirited discussion on the pros and cons of installing a fruit machine at Harlington heralded the close of the meeting, the cons winning on a quick vote before a mass exodus to the bar. Oh, by the way, I forgot to say that Sid Lipton will be playing at the 1965 Commem. Ball. If you're interested, that is.

Adrian Fletcher

BROCKWAY

From page 1.

tems of several large British cities and defended their tendencies to overcrowd their houses as a natural reaction to their insecurity. Coloured immigration is a problem we have to overcome, and Lord Brockway felt that an attitude, like that taken by the S. African government was at the best retrograde.

He ended by saying how pleased he was to see that IC, like other student bodies throughout the country, had formed a society to promote racial equality and that such a pressing problem had interested both staff and students and had encouraged them to do something about it.

H. A. F. THOMPSON.

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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There are 45 vacancies for engineers or scientists with First or Second Class Honours degrees. A member of the Staff of the Post Office Research Station will visit your University on February, 18th to see students in their third year (or last year of research). If you would like to discuss Post Office careers with him; please make arrangements through your Appointments Board.

There are also posts for mathematicians and chemists. **DEVELOPMENT** In the next 20 years the telephone system, which at present connects nearly nine million instruments, is likely to double in size and the range of services will expand considerably. This involves many problems: the exploitation of the results of research to bring into service such things as loud-speaking and press-button telephones, electronic exchanges, data transmission links and satellite communications; the design and provision of telephone exchanges and amplifier and radio stations, and also of cables (underground and undersea) and microwave radio links.

PAY AND PROSPECTS At 21 pay is about £850 p.a. and there are good prospects of promotion to grades carrying salaries of £3,000 and above.



Rugby

Ist XV Suffer Rare Defeat

On Saturday, 16th January, Cardiff Arms Park proved to be a stronger attraction than Esher, where I.C., with a weakened team suffered a rare defeat from the Cardinals. Despite the prevailing weather conditions the pitch was in good shape and in the first exchanges the ball was thrown about quite freely.

After sustaining a spell of Esher pressure, a quick heel from a loose scrum produced an overlap and Riley, taking the ball in his stride crashed over for his 22nd try of the season. I.C.'s lead, however, was short-lived. Slack play at the back of the line allowed the Esher open-side to take the ball and score under the posts. The visitors were then subjected to strong Esher attacks and were 13-3 down at half-time.

With the wind behind them, I.C. started the second half in storming fashion, only to be driven back by good touch kicking. Despite a converted try by Weisner, Esher easily contained the "Imps" and the 5 point difference remained until the end.

All in all, Saturday was not a good day for the Rugby Club, P. Bowlers International All Star XV being the only side to gain a



A Sandhurst move is well covered by I.C. in their game on January 23rd. I.C. won 16-5.

win against Esher. This they achieved in the last 5 minutes with a drop goal by B. Ball.

FIRST TEAM RECORD

P	W	D	F	A
20	15	1	350	92

CUP MATCH

Due to a water-logged ground last Wednesday's U.L. Cup Match against U.C. has been re-arranged for TO-DAY.

Free coaches will leave the Union at 1 p.m.

Hockey

POST VACATION TROUBLES

I.C. First Hockey team played three matches in the first week of term without a single win. However, two games resulted in draws, and the XI show signs of regaining form.

On Wed., Jan. 13th, I.C. were beaten by an extremely competent Kingston Grammar School side. Although one goal in five made the difference, there was no disguising the fact that the light-weight schoolboys managed far better in the appalling conditions. Their three goals came a little too easily. However, Hough scored a fine goal towards the end, and in the last five minutes Stenning also scored.

The following Saturday the team drew 3-3 with Keble College at Oxford. In spite of a bad start I.C. led 2-1 at half-time. Soon afterwards, McKenzie scored his second goal of the match with an excellent driving shot. At this point the team relaxed allowing Keble to score twice in the last fifteen minutes.

The next game was a goal-less draw with Epsom Gypsies at Harlington. The match was essentially defensive, and it was gratifying to see goalkeeper Needham back in form.

U.L. CUP February 3rd.
Semi-Final v. Q.M.C. away.
FREE COACHES.

Rowing

I.C. WIN

PLUM PUDDING

On the afternoon of Saturday, 19th December, four I.C. VIII's took part in the Thames Rowing Club Plum Pudding Races, which mark the end of the pre-Christmas training.

Altogether, eleven crews were rowing with suitably determined handicaps so that they should all cross the finishing line together. The crews were started at Chiswick Steps to row to T.R.C. (about 2 miles): just before Hammersmith Bridge I.C. 1st had already passed I.C. 3rds, and 4ths, who had started 35 and 45 seconds ahead respectively; in order to do this I.C. 1sts had to fight their way through six other crews, which were all racing side by side at one stage. By Harrods' Depository, I.C. 2nds were leading I.C. 1sts by four lengths, and Thames 1sts were lying third about one and a half lengths behind I.C. 1sts.

With two hundred yards to go Thames 1sts pushed their bows in front of I.C. 1sts, but could not catch I.C. 2nds, who were first across the line; deservedly carrying off the prize pin of ale.

On the same afternoon, on the same reach, Vesta Rowing Club held the Sabine Tankard Regatta at which I.C. was represented. The crew did well, rowing above its status, to be runner up in the final, losing to a heavier and fitter VIII from Quintin B.C.

Table Tennis

By J. M. Greenwood

The First team has continued its run of success by defeating U.C. in the quarter-finals of the U.L. Cup. The 2nd team will face Battersea in this round which should be a closely fought match.

In the League Divn. 1, the First team is still undefeated but will meet the strongest challengers in the next few matches. Difficulties in team turn-out have resulted in only average performances from the remaining teams.

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Cross Country

I.C. Do Well Against Formidable Opposition

The training camp was due to start at Miskin near Cardiff on 28th December, but had to be delayed by twenty four hours due to the snow which had cut off much of South Wales. However, the thaw was quick and training was not badly affected.

The finalé was the Nos Galan at Mountain Ash on New Year's Eve. I.C. had already seen the courses for the five races, of which club members had entered two—the one and the four miles. Mountain Ash is a small mining town in a deep valley, and the courses all include an uncomfortable number of very steep hills. Still, at least the snow was almost clear, and hills were not as dangerous in descent as they might have been.

4 p.m. saw the start of the mile race, I.C. had little hope of success as there were five internationals in the field of thirty! H. Dickson caused quite a stir by leading the first break after half a mile. Inevitably he faded but finished only twenty seconds behind two four minute milers (Simpson and Whetton) in 15th place. A. Bishop was a tired 17th after a severe cold and P. Blake 25th.

Olympic Send-off

During the evening other races were held and then near midnight the climax mounted. A torch-bearer ran down the mountain-side preceded by a car with police siren, and eventually ran down the packed main street with a further escort of more torch bearers. As he reached the start of the four mile race, a Verey rocket was ignited followed by over two hundred runners to the ecstatic cheers of spectators, who lined every yard of the route with flaming torches—an atmosphere unrepeatable anywhere else.

Those who had earlier raced in the mile soon found the hills very hard going, but A. Cope had a very good race, just winning a Nos Galan vest (awarded to the first fifty) and was backed up well by D. May and D. Reaves. The race was won by A. Simpson, who came fourth in the 1500 metres in Tokyo and the College was tenth out of twenty-eight teams, much higher than expected.

Individual places and times were—

		min.	sec.
Alan Cope	50th	21	01
Dudley May	60th	21	13
Dave Reaves	75th	21	41
Howard Dickson	78th	21	49
Tony Bishop	101st	22	22
John Jarvis	138th	23	23
Peter Blake	148th	23	38

Soccer

Cohesion Sadly Lacking

By R. GRUNDY

I.C. 3-4 Reading University.
Struggling near the bottom of the Premier League, I.C. disappointingly returned from Harlington on Saturday, January 16th, without the much needed win to boost their dwindling confidence.

With Grundy back in the team at centre-half, the home side had been slightly rearranged, Morland moving up to centre-forward to demonstrate his much boasted talents. This excellent move soon paid off when Morland clinched a half-chance with a shot from close range. At this stage the I.C. wing-halves easily contained a dormant Reading attack and kept the home forwards well supplied. Luxton and Crisp were both in elusive form and the latter made use of his exceptional control in the muddy conditions to formulate the second I.C. goal. Moving through the Reading defence on the left he crossed the ball for Batcup to score with one of those "out-of-the-hat" twenty-five yard drives. Soon afterwards, Luxton put the ball into the net but was adjudged to have used his hands. Reading now came more into the game and scored when the centre-forward was left unmarked, and a minute later a long shot from the Reading inside-right completely beat the I.C. defence and evened the scores.

In the thirty-fifth minute, I.C. were awarded a free kick from which Johnson, aided by the wind, scored with a high, dipping lob. However, the I.C. defence, playing the double centre-half system repeatedly showed lack of cohesion. This was demonstrated when the Reading centre-forward

CUP DEFEAT



The I.C. defence failed to keep out Kings in their second round Cup tie; Kings won 6-2.

FFAGINS IN CARDIFF

By TYE

"God help Cardiff" was Arthur Loveday's comment when he heard of the proposed f FAGINS' trip to the Welsh capital for the England v. Wales Rugby International. The party, some 20 strong, clutching sleeping bags and cans of beer, left Paddington at 6 p.m. on Friday, 15th January. Emerging from the piles of empty cans at Cardiff station they were met by some of the Cardiff University Biochemists who they were to play the next morning. The opposition set out to drown any potential playing ability in the f FAGINS' team; little resistance to this gesture was forthcoming from f FAGINS. After stop-tap and a curry, accommodation was sought and eventually found. The number of residents of University Hall increased substantially that night.

Saturday morning dawned wet and windy. Late, as usual, fifteen players turned out to play in vile conditions—heavy rain and high

winds. The game was very even, but the I.C. backs could not handle the ball cleanly. Cardiff snatched an early lead which they held throughout, despite several heavy attacks by f FAGINS, and won 3-0. F FAGINS supporters, Potts, Jenkins and an unidentified young lady were soaked to the skin, an experience shared by the rest watching "The Match" in the afternoon.

When the time came to get wet inside, the Park Hotel did a roaring trade. A jumbled recollection of Saturday night remains: Topliss and a "lady" in a cattle truck; Davies and Topliss going 60 miles to Llanelly to find a bed; Potts bumming his way into a dance with a fantastic story. Lipscombe putting up 2 Cardiff Students on the floor of his(!) room in University Hall; the unidentified lady supporter putting up 2 of the lads and giving them breakfast in bed. (Is there anything else you want, Sam?).

was again left un-marked and scored after dribbling round Wojtowicz in the I.C. goal.

The home team had to be reorganised at half-time when Grundy suffered a recurrence of a knee injury and moved into the forward line, Morland dropping back. A Reading full-back was then taken off with a torn ligament thus reducing both sides to virtually ten men.

Further stoppages resulted in a deterioration of the game, but Reading took the lead from a penalty when their left-winger was fouled in the area. The match was then allowed to coast uninspiringly to an end, and the hollow cheer from I.C. seemed to echo their despair.

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PROJECTED PLAY

A novel idea has been conceived by Dr. Cameron and others—a revival of a type of play, a Masque, that has not been performed for over 200 years.

The Masque, entitled "News from the Moon," and written by Ben Johnson, was first performed before King James I. It consists of a short play, into which is interwoven "Geometric Dancing," (a combination of Ballet and Morris Dancing.) There will be a professional producer/choreographer, and a professional orchestra. Music might have to be specially written.

The idea is that the play be part of The London Festival, with six performances around July 15th. Although this is after the end of the Summer term, more volunteers are welcome; at least 25 people are required, and it will probably be a more attractive proposition to P.G.'s, since it involves one evening a week at

present (Monday), and probably more nearer the performance. All interested should see Dr. Cameron as soon as possible, since rehearsals have already started.

The play will be expensive to produce (£1,000-£1,500), and it is hoped that external backing will be forthcoming. Nowhere has yet been found to present it, although The Goldsmiths' Hall has been rumoured. As part of the London Festival, it would particularly attract the tourist trade; tickets will be expensive and their profits will go to charity.

Each performance will be followed by a champagne party, and it is hoped that the audience will wear costumes of the King James period. Ladies will be planted in the audience, to be invited onto the stage to take part in the play.

This is an imaginative and interesting venture, and is worthy of support.

CHRIS LAMPARD'S

Foreign Affairs

ABERYSTWYTH HOCKEY RIOT

85 students at Aberystwyth were recently fined a total of £170 after wrecking two hotels in Bangor. The trouble, which involved extensive damage to the plumbing, started after a hockey match at a sports meeting.

SOTON RAG-WEEKS BANNED

After a brilliant series of rag week stunts this year Southampton are paying the price. They have been forbidden from staging further rag weeks by the University authorities.

BANKRUPTCY FOR L.S.E. DANCE ORGANISATION

A bankruptcy action is almost certain for Max Williams who organised L.S.E.'s £450-loss dance. He was not authorised by London Students Carnival Ltd. and consequently faces the entire loss himself.

MARXISTS URGE PERVERSION

At a meeting of L.S.E.'s Marxist Society their chief exponent of Marx, speaking on the family, advocated the abolition of the family and its replacement by a National Sex Service to supply everyone with sex "from puberty to death." He added that "homosexuality, perversions and pornography are progressive tendencies" and should be used to undermine the mystique of the family. He concluded by calling for the encouragement of reciprocal perversions.

DAYS OF SOLIDARITY

If one observed all the days of solidarity suggested by International Union of Students, it ought to be possible not to work

Carnival Column

In aid of the Notting Hill Housing Trust.

Midnight, Saturday 15th, may well see the end of the 6th I.C. Carnival, and, we hope, the most successful one to date. The Union meeting at which the charity was selected is over, the average I.C. student settles comfortably back and forgets all about Carnival until the envelope with a packet of raffle tickets, and the letter headed, "Dear fellow student," turns up in his letter rack. A great deal of work has to be put in, however, to make Carnival possible, and there is always room for more help. What Will Carnival do for You?

This year, there will be an increase in activities, not only in Carnival week, 10th-15th May, but also before it. By the time this issue comes out, the first of the Carnival lunches will have been held, with 11 more to follow. If you are regular snack-bar eaters, why not come to the Concert Hall in the Union on Fridays from 12-2, where we can guaran-

ing week will see more entertainments put on for you than we have ever had before, culminating with the procession, fête and Carnival Ball on Saturday.

We made a total of about £2,000 last year, and this year we can surely do better. Kensington is a large borough! BUT WE MUST HAVE YOUR HELP.

If every student in the College went out once and collected 5/- only; this would be about £750 to the Carnival, with no expenses to pay. This term, apart from a Commando raid, (details later), we hope to organize a door to door collection in Kensington—a similar collection got the Notting Hill Housing Trust £2,000 in one day. If you want to help in any way, the Carnival Office is open in the Union, Committee Room A at lunch times, and a committee member will be there to answer your questions and enlist your aid. If you have desires to kidnap the Duke of Edinburgh



MAMMOTH BLOOD SPLASH

The National Blood Transfusion Service will be visiting this college on Mon., Tues., Weds. 8, 9, 10th Feb.

This is a special visit for IC because there is at present a shortage of blood, and the NBTs have especially contacted us to help swell their depleted stocks. Last year the volunteers numbered 332. This year a target has been set of 500. This is a considerable increase and needs the co-operation and assistance of everyone.

New volunteers please fill in a form to be found in I.C. Union (or ring 2859 Int). A new method, introduced here on their last visit makes blood donating absolutely painless. Only 2/3 of a pint is taken and this takes a very short time to make up.

Please visit the timetable in the Union and reserve a time to donate your blood. Any enquiries requests, more details, leaflets, posters, etc., ring Int. 2859 for prompt attention.

P.S. Jokes about the scarcity of mammoth blood are already stale.

N. C. GRAVETTE



tee faster service than Mooney, and what we hope will be a better snack lunch as well?

Three weeks before the end of term distribution of the raffle tickets should start. This year let us make a special effort to sell them—the raffle is being organized on the same lines as last year, with fifty prizes to be won. If we could sell 9,000 tickets, we would make a profit on the raffle alone of over £1,200.

Carnival week and the preced-

or paint the Albert Hall green, you are wanted as a Carnival Commando, and at least some of your evenings will not be idle.

Working parties are going out and helping the Trust and these again need manpower; so, if you want to work off excess energy, here is a way to do it.

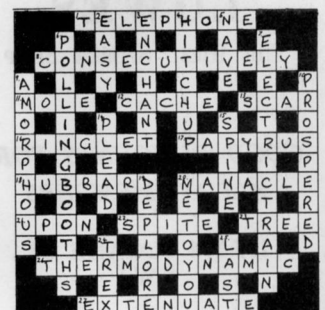
WITH YOUR HELP THIS COULD BE THE BEST CARNIVAL I.C. HAS EVER HAD. COME AND SEE US AT THE CARNIVAL OFFICE!
HUGH AINSLEY

at all. There is a day of solidarity for nearly every day of 1965. They include a day of solidarity with the people and youth of North Kalimantan fighting for their liberation, a week of solidarity with Guatemala (why?) and a day of solidarity with the youth and people of South Africa and Southern Rhodesia fighting against colonialism, fascism and racialism.

MORE SLURS ON SCIENTISTS

According to an article in Q.M.C.'s "Cub" scientists and engineers enjoy creating anarchy as a revolt against the laws and systems they are forced to learn.

Solution to Crossword No. 2



Another crossword in the next issue.

I.C. and Churchill.

Whilst all of us are obviously eager to show respect for the death of Churchill, it would be unfortunate to let this effect the normal running of College life in any way. It is important to say this, because other colleges have taken a different view: Northampton College, for example, may be forbidding all games on Wednesday - this means the cancellation of an important Hockey club fixture. What are these people doing in stead?

Saturday poses problems too. The Hockey Club may be under a ruling from the Middlesex Hockey Association (they may not bother, we do not know yet). The Soccer Club may come under the ruling of the F.A. to complete their games in the dark. The Rugger Club are thought to have been told by the Rugby League to do what they think fit.

I.C. has acted well on this occasion. There is no fuss. There have been no hysterical announcements by the President banning all sport. Life, we hope, will continue as usual, and we can show our respects in our own ways.

T.N.

Tory Dinner.

The Tories are the first political society to hold a dinner in the College. On Thursday night, Colm Brogan (alias Peter Simple) helped to keep it going, and judging by the number of merry bright young things in the bar afterwards, it was a success. It was unfortunate that it should all coincide with Patrick Gordon Walker's defeat. The noise that echoed round the College at 11.45 that night could best be described as hounds with their fox at bay.

T.N.

Premier at I.C.?

The Islam, Pakistan and Arab Societies are hoping to invite Mr. Wilson to their big Ramadhan dinner. Things are still a bit hazy, and Mooney seems to be making things awkward as they are aiming to cook their own food.

T.N.

Islamic Society.

This society would like to announce that it has been allowed to use the Committee Room below the Bridge Room on Southside for Friday prayers and the Barber room for everyday prayers. Friday: 1.30.

POLICE strike at EDITOR WALKER.

THE EDITOR OF FELIX has, at long last, had his car towed away by the police. He perfectly illegally parked it opposite a 'bus-stop on Saturday, and has been bitching about his £2 fine ever since.

T.N.

India through Photos. Exhibition.

This week, as India celebrates the 15th. anniversary of becoming a republic, the Indian Society has arranged an exhibition which gives an insight to the life and culture of India through photographs. The exhibition, which was opened on Monday is on the entrance level of the Mech. Eng. department and closes on Feb. 3rd.

Folk Club.

It has been decided to revive the more informal hootenannies, similar to those which were held last year. The first session is in the ICWA lounge on Feb. 23rd. All potential singers, players, and spectators please watch the notice boards.

R.S.V. Pullen. Zoo 3.

RCS.

Adrian Fletcher proposed a motion to the RCS General Committee on Thursday regretting the short time allowed to year reps. to complete memoranda to the University Grants Committee. These views are also echoed by Colcutt in the main issue.

T.N.

Mines.

Clem is now garaged with a sexy Austin 7 in Westminster. She is to be entered for the historic vehicles run on May 2nd.

Guilds.

Union meeting: Feb 11th.

Sport.

Riding Club - Derek Barr & Dick Carrington are going to Germany to represent London Univ. in an equestrian event next week-end.

Rugger - IC: 16 - 6 RMA Sandhurst.

Soccer - IC: 2 - 6 Kings.

(Semi-final UL cup).

Hockey - Feb 3rd. Semi-final UL cup versus QMC. Free coaches from Union.

WANTED:-

Blood -donors

Felix cartoonist.

NUS supporters.

Sales girls for Carnival Magazine.

SOME-ONE TO MAKE SOME NEWS IN THIS COLLEGE.

Felix staff meeting 1.15 Press Rm.
Friday ~~1.15~~ Jan. 29th.