



FELIX



NEWSPAPER OF IMPERIAL COLLEGE UNION

No 193

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Price 4d

WELCOME FRESHERS

Message from the President

The last ten years have seen an intensive development of the College which is unprecedented in the history of any educational institution in the country. Many acres of land in the heart of London have been vacated and made available to the College; some seventeen million pounds worth of buildings have been erected; the number of staff and students has almost doubled. These are bare facts which cannot attempt to do justice to a programme in which I.C., as the spearhead of a national effort to expand and improve scientific education, has been transformed almost beyond recognition.

This expansion has by no means been confined to the academic departments—indeed the need for providing numerous other amenities has been clearly recognized from the start. Hostels, refectories, playing fields and so on have been accorded high priority.

The central figure in this immense effort is you, the student, and the central problem your education. Society holds you and your ability in high esteem, investing heavily in your education, sparing itself no effort and refusing to offer anything but the best. It has provided you with all the facilities you could reasonably ask

for, and done this with unquestioning faith and confidence.

All this will be of no avail if you, as an individual, do not hold the same high opinion of yourself as society does. You must have confidence in your own ability, for without it you won't achieve anything worthwhile in any of the circles in which you will be moving. One can take a horse to the water, but if it does not believe it has the ability to drink, will not do anyone, least of all the horse much good.

This is the more necessary because at I.C. you will not be spoon-fed. You are left, as you should be, to develop your own interests and to fend for yourself in all that you do. In your department you must have self-confidence to apply yourself methodically and discerningly to your work. And in other fields you must have the self-confidence to play an active part.

All the facilities of the Union are at your disposal—it is your Union, as it is your College. I urge you to learn what it has to offer and how it operates. If you develop an active interest in any one of its multifarious activities you will soon come to feel much more at home in the College.

The Union has grown stronger and more diversified within the College, but there is still much room for improvement. I hope you will make your own contri-

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Royal Visit Oct 8th

On Tuesday, 8th October, at 2.45 p.m. Her Royal Highness Princess Margaret, accompanied by Lord Snowdon, will visit the College to open The South Sides Hall of Residence Building.

On her arrival, Her Royal Highness will be received by the Chairman of the Governing Body, Sir Roger Makins and the Rector, Sir Patrick Linstead. After presentations Her Royal Highness will proceed by the central entrance to the main Dining Room. There three brief speeches will be made, Her Royal Highness officially declaring the building open. After this short ceremony the Princess will make a short tour of the Gallery Floor of Falmouth Hall, during which she will be shown Student Rooms on one of the staircases, and then the Common Rooms on the Ground Floor.

After this tour Her Royal Highness will leave the building unveiling a plaque commemorating the occasion just outside the main entrance before briefly visiting the Civil and Electrical Departments. She will then have tea at 170 Queens Gate.

350 guests have been invited to attend the opening ceremony. The arrival and departure of Her Royal Highness in Princes students who usually frequent the Common Rooms will be present in reasonable numbers. There will also be opportunities of watching including about 75 students. During the tour it is hoped that those Gardens and it is hoped that as many as possible will turn up there.

STOP PRESS

TUES. OCT. 8th WILL BE A HALF HOLIDAY

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FELIX

NEWSPAPER OF IMPERIAL COLLEGE UNION

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EDITORIAL

Felix has in the past frequently been called a newspaper with no policy, at the best complacent, at the worst smug; these charges it has never denied, but has been countered with a defence of fairness and unbiased reporting. Since I have been at college Felix has always been a close reflection of the Editor; it has in turn been witty, conservative, dull, brash and at one time it appeared that the College had no other interest than Sport. This had been so because the Staff involved with Felix has always been pitifully small—a sad reflection on three thousand students here.

This year, by holding fortnightly staff meetings, and by keeping the Press Room (at the top of the Union) open, Felix hopes to become more than a one-man diary. For it to become a newspaper in the strictest sense of the word much wider coverage is necessary; anyone interested in journalism, photography, typing, or with a good nose for a story, is more than welcome. The opportunities are endless. In fact, if you have the sort of mind which can sting the nerve or wring indignation and action from complacency you could be our star man.

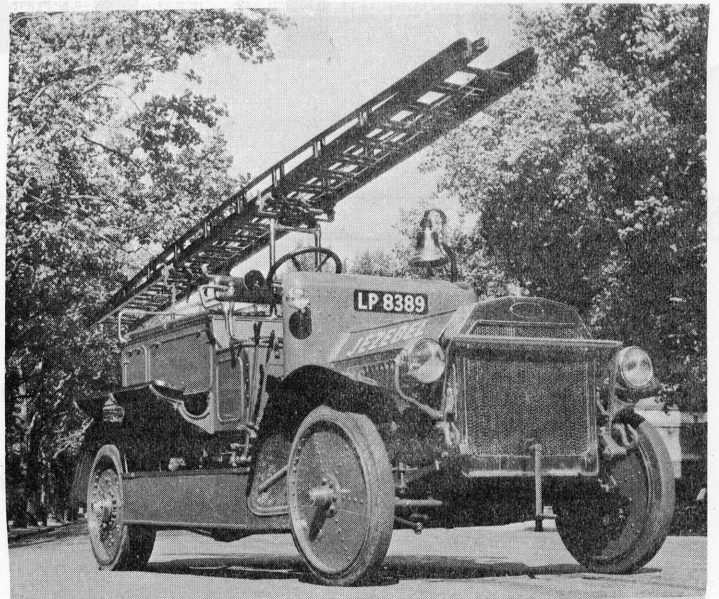
From an integrated staff can arise a policy which will give Felix the depth and strength it badly requires; the time has come for vigorous expansion, and since it is your paper, it is you who must force this expansion.

N.B.—The next time you hear anyone say, “another bloody awful Felix,” send him to Room 73 Beit Hall. I will be pleased to hear his views on improving it.

J. M. COMBES, Editor.

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R.C.S. MOTOR CLUB



*Jezebel —pride of
RCS Motor Club*

The main concern of the Motor Club is the care and maintenance of Jezebel, the R.C.S. Mascot, which was presented to the Union in 1955 by Messrs. Crossfield & Son, of Warrington. She is a 1916 Dennis fire appliance, with a 9½ litre, 4 cylinder engine, which “drinks” a gallon of petrol in 5 miles.

Maintenance consists of minor mechanical repairs, re-painting, polishing the Fifty-Six (56) square feet of brass. Those who help with this are entitled to travel on Jez to various rallies, works visits, and ceremonial occasions.

Any member of R.C.S. is welcome to join, and anyone interested should get in touch with Mike Vernon via the Union Rack.

PHOTOGRAPHIC SOCIETY

Whether you are a happy holiday snapper or a budding F.R.P.S. you will find that joining the Photo Soc can be both useful and instructive. The Society has two fully equipped darkrooms with two enlargers in each, together with a collection of dishes tanks, dryers, and chemicals adequate to produce prints up to 20" x 16". Meetings are held most Fridays, half of these are lectures and demonstrations by prominent names in photography, the others are meetings of the Colour and Portraiture Groups with an occasional evening devoted to cine. The high-spot of the year is the Annual Exhibition held in March. The Society has also negotiated discount arrangements with several local photographic retailers—on this count alone IT PAYS TO JOIN THE PHOTO SOC.

SHORT TAKES

NEW HALL

The College has been given £250,000 for a new Hall of Residence to be built in Princes Gardens.

CHEAP DISCS

MASCALL Record Shop, 2 Old Brompton Road, S.W.7, give I.C. Students a 10 per cent. reduction on production of their Union Card. All types of records are stocked including foreign ones.

FRESHERS

Opportunities are open for You on the FELIX Staff; we require urgently Reporters, Cartoonists, Typists, Sales Girls, in fact, anyone willing to help. Do visit us in our Print Room—opposite the lift on the top floor of the Union.

MAN POWER

I.C. have entered the Man Power Flight Race. We have taken over from Southampton University who have had to terminate their programme. The prize for being first to complete a specified course over 1 mile is £5,000.

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CITY & GUILDS MOTOR CLUB

The Motor Club caters for the motoring interests of the Guildsman, and indeed a cordial invitation is extended to all I.C. people.

The pride of the Club, or rather the pride of the College, is a treasured veteran car—a 1902 James and Brown nicknamed “Boanerges,” or Bo for short. He (one must emphasise his sex) takes part in the annual run to Brighton, usually getting there. Last year’s run was really a classic in the art of running repairs when one of Bo’s bearings seized at Streatham: the offending part was rushed back to College and repaired in time for Bo to reach

Brighton and qualify for a medal and pennant.

The Club holds fortnightly meetings at which there are film shows or guest speakers from the Motor industry. Last years speakers included Raymond Baxter and Sydney Allard. We also make one or more visits to Car Factories etc. during the year.

The first meeting of the Club is on Friday, October 11th at 5.15 p.m. in room 542 of the Mech. Eng. Dept. in City and Guilds College. The programme will include a film on the development of formula Junior engines from the Ford 105E engine.

HUXLEY SOCIETY

OPPORTUNITY KNOCKS

As freshers of Imperial College you have taken the **opportunity** to benefit from an excellent scientific training but, if you do not already know, you will soon realise that there is a lot more to University life than lectures and labs. There is **opportunity** to meet people; to establish new acquaintances; to make new friends. There is **opportunity** through joining college societies to pursue your own special likes and interests. Specifically, there is now on Freshers’ Day or soon after **opportunity** to join the I.C. Huxley Society. This is the Humanist Society of the college and—as such—it provides everyone who joins with **opportunities** to hear well-known lecturers, authors, radio and television speakers, and philosophers talk on subjects concerned with morality, religion and philosophy. While enjoying coffee after these meetings **opportunity** is provided for discussion with these great speakers. In less formal discussion meetings there is opportunity to voice your opinion among fellow students of

similar outlook—and, when we meet with other college societies, among students with far differing ideas and thoughts. Further, through the Huxley Society there are **opportunities** to attend conferences organised by larger Humanist organisations and, incidentally, the Monthly News and Notes published by the Ethical Union is provided free to members. There are plans this year to invite students from other colleges to our meetings in the hope of establishing a link with other Humanist Societies. (Psst! “Other” colleges have more than a handful of the opposite sex—i.e., females, and the “link” is, we hope, a social one). All this and more is there for the price of 1/6 per session. **Take this opportunity** now—be “in it” from the start. Join on Freshers’ Day or at the Huxley Society’s Freshers’ Tea (Fri., 4th October, 5.30, upper Refectory) or by application stating name and department to the Secretary of the Huxley Society, c/o The Union Rack. The **opportunity** is there—we can do no more,

AN OPEN INVITATION

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

Midland Bank

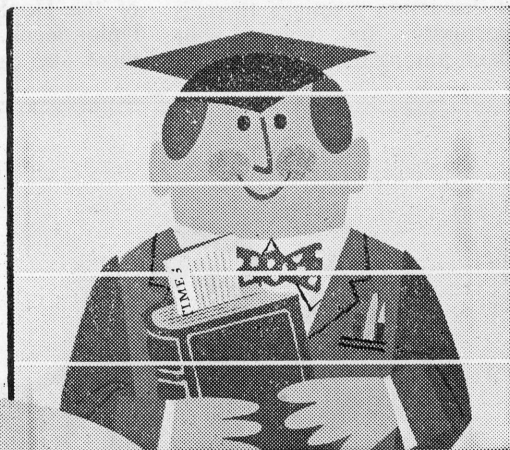


PROFILE

The President



DAVID WATSON



Seven-tenths* of
top dons
and teachers
take THE TIMES

SO WHAT?

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

You may not want to be a top don or top teacher: lots of people don't. But the same is true of top civil servants, top businessmen, top politicians. Whatever kind of top person you hope to be, it's not too early to get in training now by taking THE TIMES regularly.

Especially since, as a student, you're entitled to it at half price: ask your newsagent or write to THE TIMES Subscription Manager.

* The exact figure is 69.82966%. We are aware that this is a little less than seven-tenths: please do not write to point this out. Do write, however, if you would be interested in an account of the research which produced these and many other revealing figures. Who are Top People? What do they think on the important issues of the day? Write to The Times (Department SP), Printing House Square, London EC4.

Our President this year is a particularly capable individual. Full of determination, he is also very conscientious, hard-working and ambitious but perhaps a little too self-assured. In his two years at I.C. Dave Watson has had very little to do with the handling of Union business (except as a member of the RCC) and thus as an observer he has been able to make a critical study of the many aspects of Union management without allowing himself to be drawn into the petty politics of any social clique. With this valuable experience and his own experiences of university life at Cambridge, combined with a first class brain, Dave has great potential and should be able to instill fresh ideas into his approach to Union problems with a relatively unbiased mind.

Twenty-three years old, Dave Watson hails from Belfast. In 1958 Dave went up to St. Catharine's College Cambridge to read Mathematics and Physics. After graduating with a double-first, he came to I.C. to pursue research in Theoretical Physics. Whilst at Cambridge, Dave was an active member of the Labour Club and he also edited his College magazine. Much of his spare time, however, was spent with the John Ray Society, of which he was both Secretary and President in turn which was concerned in studying the impact of Science on Society.

Dave finds his relaxation in the mountains. He has always been a keen fall walker but only started rock climbing during his last year at Cambridge. At I.C. he quickly became recognised in the Mountaineering Club as a very "hard" climber, all this despite injuries sustained in a road accident the same year. The following year he was elected its President and during this period the standard of

climbing in the club reached a new peak. The year culminated in an expedition to the Stavnig Alps, East Greenland when 18 new peaks were scaled for the first time. Constantly faced with transport difficulties on club meets, Dave was not prepared to let matters lie. Through the initiative of the Caving Club, he supervised the purchase of a 30 cwt. Austin Van for the Mountaineering, Underwater and Caving Clubs.

Dave first left his mark in Union affairs during the initial NUS debate and again during the final debate when speaking out against affiliation to NUS. His efforts brought him into the running as a candidate for President and his success against better known opponents came as a surprise to many people.

Dave is a great believer in the rights of the individual and hates unfair treatment of any kind. He can be fully relied upon to safeguard the rights of the student body as well. His term of office is faced with many interesting problems, especially now that possession has been taken of the new South Side facilities. I have no doubt that Dave's determination and persistence will be felt in many circles throughout this year. As President, his contribution to I.C. will be undoubtedly of great value. H.T.L.

WELCOME FRESHERS from page 1

bution to its development. Each generation stands on the shoulders of its predecessors, and you must never feel that what was impossible yesterday is necessarily impossible today.

The opportunities provided by develop wide interests—in sport, music, current affairs, recreations and socially (to name but a few)—are yours only for the taking. If you have not got the drive to make use of them, then, however successful you may be in acquiring letters to put after your name, you will be a failure in a more important context.

One last word—the College has for a student to feel lost in it—to feel he has no voice in its affairs. In fact this is far from being the case. The College has a long and happy history of co-operation between the "administration" and the Union, a relationship which is much valued by the Union. In turn it requires the student to bring his opinions, suggestions, requests or complaints to the notice of its officers. This is more than a right which possess—it is a responsibility.

The University Grants Committee has provided everything you will need except the confidence to use what is given to you. If you have this, you will be assured of a profitable and enjoyable stay at I.C.

DAVID WATSON,
President, Imperial College Union

IMPERIAL COLLEGE EXPLORATION SOCIETY

ICES exists to bring together all those interested in the many aspects of travel and exploration and to give whatever advice and assistance it can to students planning expeditions. The annual programme of events includes discussions, side-shows, a Hop, and a Dinner. Not only expedition members but also those with a general interest in travel will find much of interest in the talks given about various exotic parts of the world. The Society publishes its own journal "Exploration Review," and a directory of personnel having special knowledge of a particular country or technique is being prepared. Full details of all meetings will be found on the noticeboard outside the Concert Hall.

The Society should not be confused with the Exploration Board, which is a staff/student committee receiving financial aid from the Union and the Governing Body. The Board examines proposals; past expeditions have worked in the Himalayas, the Andes, the Azores, Iceland, British Guiana, Iran, Ghana, Arctic Norway, Malta, the Caribbean, Greece, Spitsbergen, Sicily, Ethiopia, Nigeria, Jan Mayen, Ceylon, Greenland, Sierra Leone, the Balearic Islands, and Cornwall.

At Imperial College you have perhaps an unrepeatable opportunity to organise and expedition. It's hard work but it's worth it. If you are interested in any particular project, please ask for in-

formation at the stall on Freshers' Day, at the Freshers Meeting, or after any of the regular meetings, or else call in at Room 642, Tizard Hall.

RECREATION AT I.C.

The clubs and societies at Imperial College are divided up into three groups, the "Social Clubs" (political and religious), the "Athletic Clubs" (competitive sports) and the "Recreational Clubs." The "Social Clubs" will tell you that you have an obligation to support your religious or political views—they are after your soul! The "Athletic Clubs" will tell you that good chaps join this club and that you must train every week—they are after your time! The "Recreational Clubs" offer you the opportunity to do what you like, when you like and as energetically as you like. For example, you can go gliding or potholing, climb mountains or play chess, wear an aqualung or dancing shoes and relax at billiards or bridge. Many of these clubs have a reputation that spreads beyond the college, the Underwater club has had several expeditions working on underwater geology and archeology, the Mountaineering club this year had an expedition to Greenland and climbed so many new peaks (well over 20) that nobody seems to have sorted out the exact number. On a gliding club expedition to the Alps a member of I.C. made the first ever glider crossing of the Matterhorn (and back in time for tea!) and on the home front the productions of the Dramatic Society and Musical Society always draw large audiences.

These are some of the more spectacular achievements of the "Recreational Clubs" but the real strength of the "Recreational Clubs" are those that exist so that people with a common interest can get together and have facilities for their hobby whether they want chess boards or photographic darkrooms.

You will find a list of the "Recreational Clubs" in your blue Union handbook and a note in the Union rack to the secretary of any club that interests you will bring you all the information about joining that club.

J. P. HORSEY,

R. M. Henson.

THE H.G. WELLS SOCIETY

H. G. Wells, the Father of Science Fiction, is one of I.C.'s most distinguished alumni, and it is fitting that a new society being launched in the college this term should bear his name. Wells was a man of many parts—Fabian, populariser of science, rationalist, advocate of World Government, utopographer, champion of birth control, critic of racialism, writer of Science Fiction—so the society has a wide choice of topics for meetings.

The society will have, broadly speaking, three main aims. First, to provide its members with the opportunity to hear about interesting work being undertaken in fields of science and technology other than their own. Secondly, to consider the philosophical and sociological implications of certain scientific developments. Thirdly, to examine subjects which are on the borderline between science fiction and science fact, and to enjoy Science Fiction "per se."

Several of the meetings arranged for this term have a Science Fiction flavour; indeed, even the straightforward scientific subjects seem to have romance backgrounds. The talks on "Lasers" (Oct. 14) and "Strange Ant Colonies" (Nov. 4) bring to mind the death-ray machines and predatory insects of the more exotic scientific romances, while the talks on "The Mechanism of Brainwashing

and Conversion" (Oct. 21) and "DNA and RNA" (Nov. 18) look into the possibilities respectively of "1894" and "Brave New World." Even the talk on "Operation Mohole" (Nov. 25) might be taken as a description of a "Journey to the Centre of the Earth," and Mr. Cowan's talk on Dec. 2, "The Stimulation of Living Processes" should provide plenty of food for thought and for discussion.

In addition to these talks, there is to be a Symposium on "Getting Off the Moon" (Nov. 11) chaired by Professor H. Elliot of our Physics Dept. and led by experts who are currently considering the problem, and a showing of the classic Science Fiction film "The Shape of Things to Come" (Oct. 28), scripted by Wells.

The society's opening meeting, on Oct. 7, will be about Wells himself—his education at Imperial College under Huxley and his varied career; it will be addressed by Professor G. E. G. Catlin, philosopher and political scientist, a leading left wing intellectual, who knew Wells personally, and who was co-founder with him of "The Realist Magazine." The informal meetings over coffee which will follow this talk and all others should provide members with a splendid opportunity to discuss the subjects with the speakers and with the teaching staff of the college.

MONDAY NIGHT IS WELLS SOC NIGHT

The first meeting of

THE H. G. WELLS SOCIETY

Hear about one of the college's most celebrated old boys,

THE FATHER OF SCIENCE FICTION

H. G. WELLS

from

Professor G. E. G. CATLIN, M.A., Ph.D., F.R.S.L.

Philosopher and Political Scientist
Co-founder with Wells of "The Realist Magazine"

at 7.30 p.m.

in Room 408 High Electrical Building on

MONDAY, 7TH OCTOBER

FREE COFFEE

MONDAY NIGHT IS WELLS SOC NIGHT

SOCIAL CLUBS at IMPERIAL COLLEGE

If your interests are political, philosophical, religious or national, or if you like debating, then you will probably want to join one or more of Imperial College's Social Clubs during your stay here. Reflecting every strongly-held opinion, left and right, home and abroad, theist and atheist, I.C.'s broad spectrum of Social Clubs offers in the student world a taste of society at large, a chance to come to grips with the real world before you get there. University life provides you with a unique opportunity to learn, to learn not only about your chosen field of study but about other people and other people's beliefs. Science and technology will demand much of your attention while you are here, but a little time spent in trying to understand points of view other than your own will be time well spent. Colleges like ours, specializing in science and engineering, can very easily be accused of breeding one-culture men, scientific barbarians; we like to think that our well-organized and actively-supported Social Clubs help to give the lie

There are five political societies to such accusations.

—Socialist, Conservative, Liberal, Communist and C.N.D.—and if you think you are a bit too right-wing for any of these there is the Flat Earth Society for ultra-conservatives. I.C. political societies have a reputation for getting big names in the political world to address their meetings. Last year Harold Wilson, Peter Thornycroft Selwyn Lloyd, Eric Lubbock; this year, who knows, we might see better (Lord Denning?). Links with the University of London societies are strong, and many I.C. men help to run the U.L.U. organizations. Delegates also attend national student conferences.

Philosophical and religious societies are numerous. The Huxley Society, named after the famous T. H. Huxley, once Dean of R.C.S., represents the scientific humanist and rationalist viewpoint. Christians of almost every denomination are catered for by five societies: Church, Catholic, Christian Union, Methodist and S.C.M. Most of these hold regular devotional and prayer meetings, apart from the more controversial meetings. Students of Jewish belief can join the Jewish Society, and we also have a Theosophical Society and an Islamic Society.

Overseas students will want to watch out for the International Relations Club, which has a programme geared to their needs and interests and which has been very active in recent years. There are

also a number of purely national societies, the Arab, Pakistan, Chinese, Indian and Africa Societies which make special efforts to make their members feel at home, and collaborate with the I.R.C. and its activities.

Finally there is the Debating Society, which draws its support from both inside and outside the Social Clubs and is perhaps the most important society in the college. Debates are organised between Imperial College and other Colleges in the University of London. M.P.s and other public figures are often invited as guest speakers in particular debates, but there is plenty of opportunity for neophytes, beginners classes being developed into such a laboratory giant that it is quite possible organized especially for the purpose.

The Social Clubs publish a magazine, SCRUTINY, which appears once a term and which affords an opportunity to air your views on religion, politics and the rest. Watch out for it.

How does one join the club of your choice? The most convenient time is on Freshers' Day, when nearly all the clubs in the college hold stalls in the Union proclaiming themselves and their activities, and when they will be only too happy to enrol you. Alternatively you can turn up to your club's Freshers' Reception, or you can write to the Hon. Secretary of your club care of the letter rack in the lower Union lounge. A full list of Social Clubs with their aims and objects appears in the Blue Book.

D.E.P.

IMPERIAL COLLEGE

The Liberal Society at Imperial College offers to all students an opportunity for radical and progressive thought and discussion. For the coming term, and for the rest of the year, we are having a comprehensive programme of talks and discussions, with opportunities for meeting and talking to leading Liberal personalities and M.P.s. We are affiliated to and are taking an active part in the University of London Liberal Federation where you will be able to meet other Liberals and Radicals. There is also an opportunity for all members to take part in the affairs of the Union of Liberal Students and attending its annual conference.

During the year, there are several lighter forms of political activity including a theatre outing, with a dinner in the House of

I.C.W.A.

You may or may not have noticed that there are not very many women students at Imperial College. Last year we numbered about 125 which is very few when scattered throughout all the various departments of the three constituent colleges. I.C.W.A. exists so that the women may meet from time to time, and so that their opinions on any matter may be expressed, and not lost in the mass of male points of view.

All women students are automatically members of I.C.W.A. We have one male member elected by us each year, and he is known as Mr. I.C.W.A.

There is a lounge in the Union building which is solely for the use of Icwarians, and it is here that we hold our general meetings. We shall try to arrange some talks this year on subjects of particular interest to women, and any suggestion on subject matter will be most welcome. Last year we had two such talks, one on hairdressing and one on cosmetics. At Christmas time we have an old folks party for elderly people in the district. In the Easter term we run a Hop and hold our annual formal Dinner and Dance.

Our Sports Club, I.C.W.S.C. runs teams for hockey, netball, squash, table-tennis, tennis, swimming and athletics. The standards vary considerably and anyone at all keen here will be most welcome to join in. Last year twelve members of the Club went to Holland for a one week's sports tour, which was great fun.

I.C.W.A. has its own notice board beside the I.C.W.A. lounge, and all notices of meetings, sports teams, etc. appear on this board.

We hope to see all the Freshers at the reception, and that you will join in the activities of the association, which can thrive only by your interest. It was a good year last year and we hope this year will be even better.

I.C.W.A. President.

THE CHURCH OF ENGLAND IN IMPERIAL COLLEGE

On coming up to Imperial College you will of course be attracted by many of the Clubs and Societies, which provide you with an opportunity to take part in your favourite sport or interest. In addition to these Clubs and Societies, you will also find here the existence of the Church.

Perhaps at home you belonged to your local Parish Church. You might have been a member of the Parish Youth Club or Scout Troop, or served at Church worship or sung in the choir. You may also have risen to the exalted rank of being a Sidesman or a member of your Parochial Church Council! However strong or however weak your link with your Parish may have been, we have pleasure in welcoming you to join the life of the Church in the student community of this college.

If you are in a Hall of Residence, we trust you will be visited within the next couple of weeks by one of the members of the Church Community — probably one who lives on the same floor as you do. He will hand to you a programme of the activities of the Church, and we hope he will also have a chance to say a word or two to you as to when and where these various activities take place.

We are not merely a "Sunday Only" Church Community—we try to live out the Faith every day of the week. On Sundays we use a church called St. Augustine's, down Queen's Gate, for a sung Eucharist (Holy Communion) at 9.0 a.m. Here you will have the opportunity of worshipping together around the Altar, and after that at 10 a.m. of breakfasting together.

On Sunday evenings there will be Evensong at St. Augustine's at 7.30 p.m., where some of the best preachers can be heard. Again, after Evensong, there will be an opportunity during tea and biscuits of meeting men and women who not only belong to our college, but also come from others such as Queen Elizabeth College, Royal College of Music, Royal College of Art, College of Estate Management, Chelsea College of Science and Battersea College of Technology. It has always been agreed that this Community is a vigorous, active and caring one.

Our weekly activities will be found on page three of your programme. You will find members of the Church in every year and every department of the college. Your Chaplain is the Revd. Ivor Smith-Cameron, who is an Indian (not a Red Indian!), and your student leaders are Michael Sammes (Chem. P.G.) and John Moore (Mech. Eng. II).

Ivor Smith-Cameron.
Michael Sammes, John Moore.

LIBERAL SOCIETY

Commons, and a free Wine and Cheese party with ULLF. As there will be a General Election in the coming year, plans will be made for interested members of the Society to help with the campaign to send more Liberals to Westminster.

Our first meeting is the Freshers' Tea, where you will be able to meet other members of the Society at an informal get-together. It will be held in the snack bar on Thursday October 3rd, starting at 5.30 p.m. If you have not already met us at the Freshers' Reception, come along to the Freshers' Tea. All are welcome.

Anybody who might like to contact us, please contact our Secretary, Steward Aaron, or the President, Edward Fortune, via the letter rack in the Union main lounge.

EDWARD FORTUNE.

FRESHER'S PULL-OUT AND THROW-AWAY GUIDE TO I.C. AND DISTRICT

KEY

COLLEGE BUILDINGS

3. Union Building
4. Zoology Dept.
5. Botany Dept.
6. Garden Hall
7. Haldane Library and Health Centre
8. Weeks Hall
9. Physics Dept.
10. Roderic Hill Building (Aeronautics & Chem. Eng.)
12. Royal School of Mines
13. Goldsmiths Extension (Civil Eng.)
14. Mechanical Eng. Dept.
15. Waterhouse Building (Electrical Eng.)
- 15a. Unwin Building
16. Royal College of Science (Chemistry Dept.)
17. Registry
18. Huxley Building (Mathematical Dept.)
25. South Side

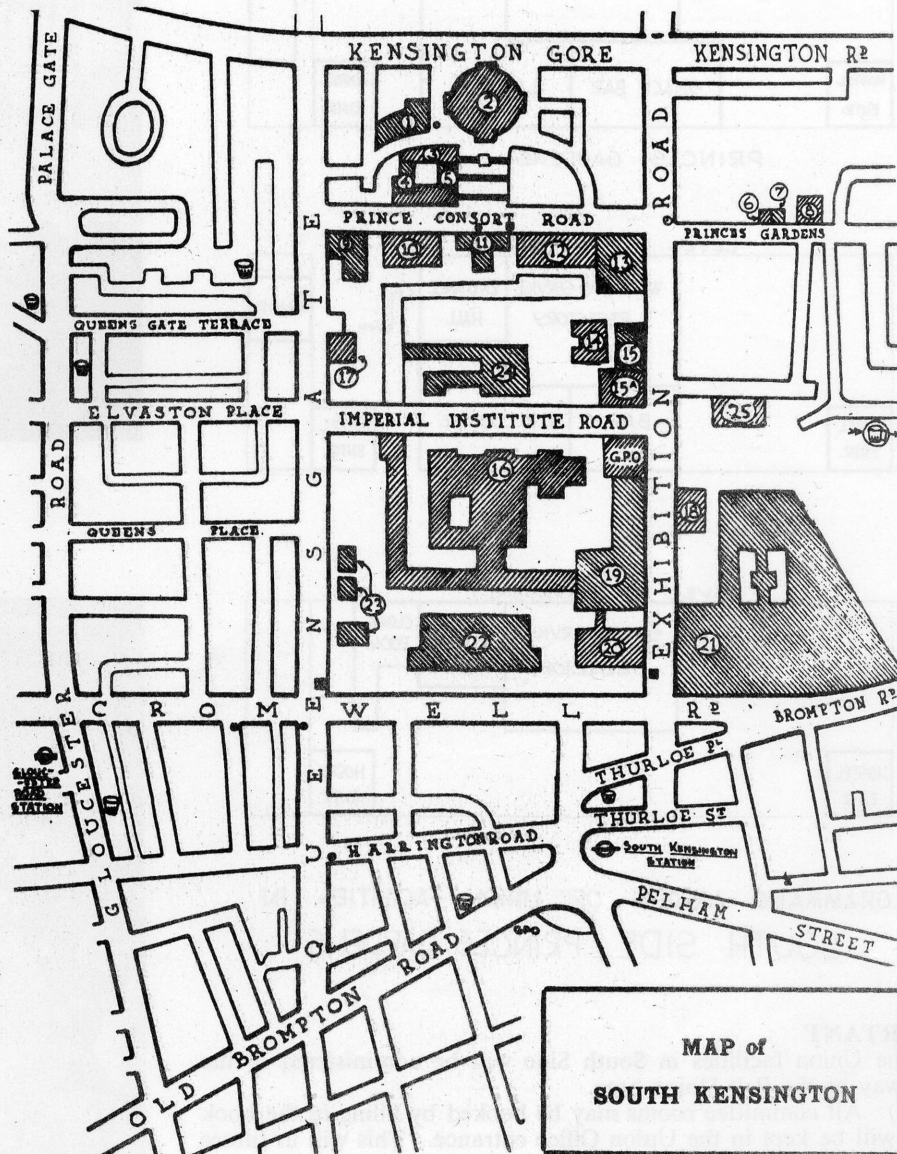
MUSEUMS

19. Science
20. Geological
21. Victoria and Albert
22. Natural History

OTHER BUILDINGS OF INTEREST

1. Queen Alexandra's House Q. A.)
2. Albert Hall
11. Royal College of Music
23. Royal College of Art
24. Imperial Institute

⊙ Pillar Box ☒ Telephone Kiosk ☕ Pubs



IMPERIAL COLLEGE COMMEMORATION DAY

in the
ROYAL ALBERT HALL
THURSDAY, 24th OCTOBER, 1963

Special Visitor—

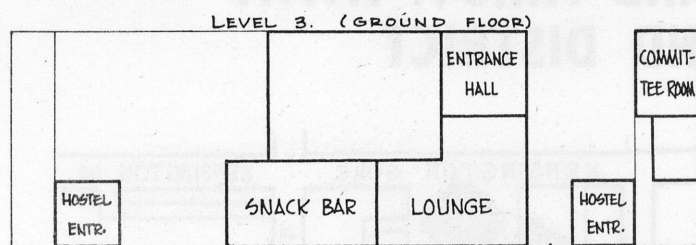
The Rt. Hon. Lord Robbins, CB, MA, DLitt, LLD, FBA,
Chairman of the Committee on Higher Education.

The ceremony will be preceded by a short service in the Holy Trinity Church, Prince Consort Road, at which the preacher will be the Rev. Professor G. H. Lampe, MC, DD, Professor of Divinity in the University of Cambridge and fellow of Convill and Caius College.

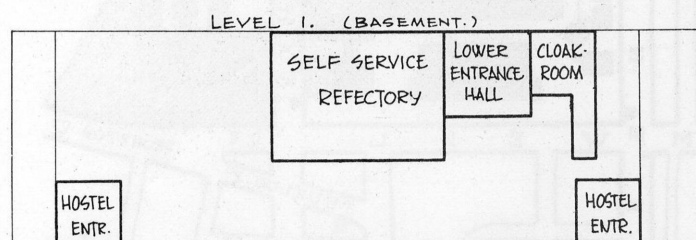
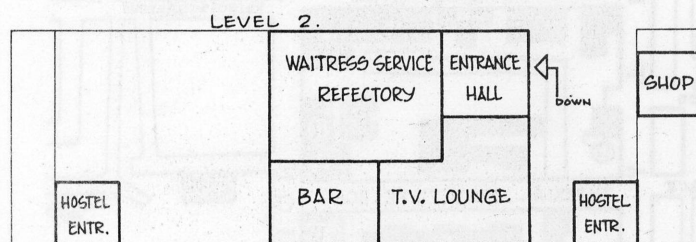
Associates and Diplomats, Honorary Associates and Fellows are honoured by the College at the ceremony in the Royal Albert Hall.

Present students and their guests are admitted without tickets at the Main Door and are asked to be seated by 2.45 pm. Tickets for tea, which will be served in the South Side Refectory may be obtained from the Union Office, free of charge.

The work and the buildings of the Royal School of Mines in Prince Consort Road will be in view to visitors till 7 p.m.



PRINCES GARDENS



DIAGRAMMATIC LAYOUT OF UNION FACILITIES IN SOUTH SIDE, PRINCES GARDENS

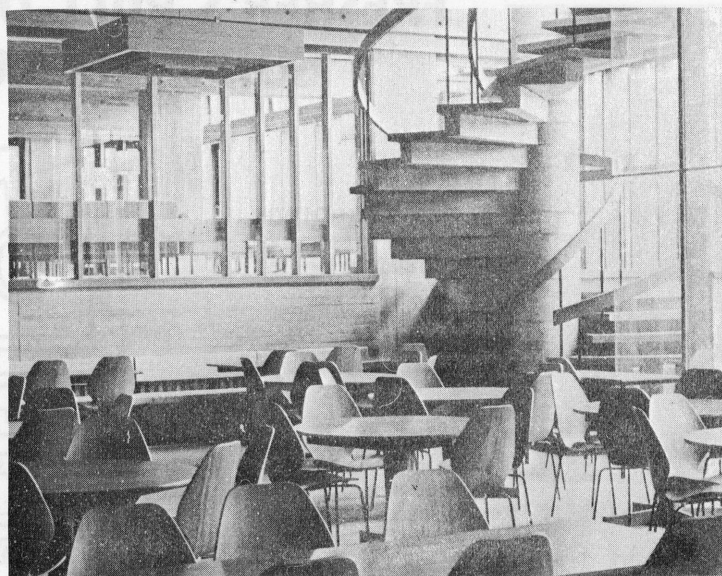
IMPORTANT

The Union facilities in South Side will be administered in the same way as the Belt Union area.

(1) All committee rooms may be booked by filling in the book which will be kept in the Union Office entrance. This will in future be the procedure for Beit committee rooms.

(2) Refectories for Club and Society Dinners, etc., will be booked on the form available in the Union Office entrance.

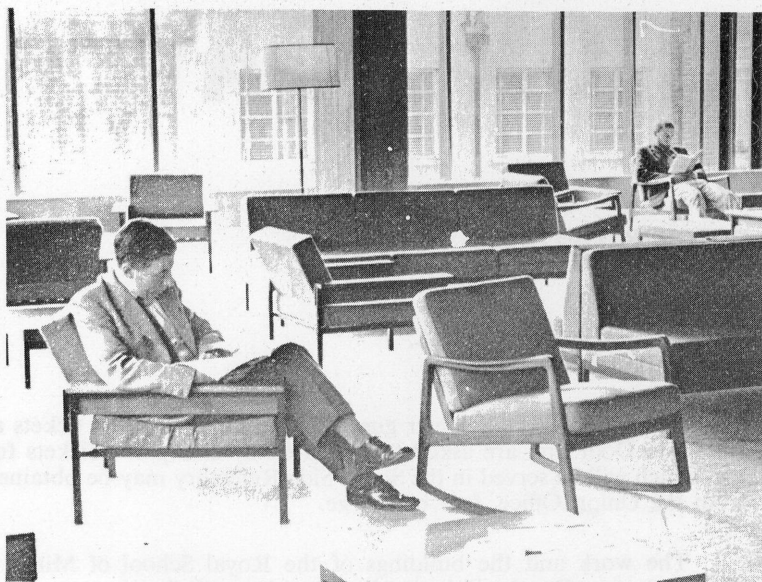
(3) The normal Union hours of 8.0 a.m. to 11.0 p.m. will operate.



STAFF REFECTORY



WAITRESS SERVICE REFECTORY



EAST-END OF COMMON ROOM



SELF-SERVICE CAFETERIA



GUILDS TO GUILDSMEN

All Freshmen can start reading here :—

If you aim to study mining, metallurgy or pure science, then you can stop reading here.

This article is for men only—GuilDSMEN. You have decided to become an engineer. You have been selected to carry on the age-old tradition. Tradition based on success. Success, that is, at the expense of Mines and R.C.S., the existence of which you will no doubt realise in the weeks to come.

For your information, R.C.S. stands for R. C. Schroter, GuilDS Pres.

For your entertainment, R.C.S. also stands for :—

- (1) The National Anthem ;
- (2) Royal College of Science ;
- (3) The broom handle and ball cock.

The broom handle and ball cock is called Theta, an antiquated phallic symbol R.C.S. calls a mascot. They claim that Theta resembles a thermometer.

Mine's mascot is not a pickaxe or coal shovel as you might hope. Actually they boast a Michelin Man that they pinched from an old Michelin lorry or something. They also painted it black and yellow. Presumably black because they are Miners and yellow because . . . well . . . yellow.

The Guilds mascot is the famous SPANNER. Custom cast from lead alloy and painted a luxurious silver and maroon, it weighs nearly 70lb., and is over 3 feet in length. The spanner is held aloft by the President at the end of every union meeting, amidst the famous Guilds war-cry "Boomalaka."

Early last year, Guilds assembled a catalogue of college mascots. Most impolite really—R.C.S. and Mines weren't even invited to the experiment. They were so annoyed in fact that the R.C.S. President volunteered to do a song and dance in front of several hundred Guildsmen. Mines begged us to accept half the return fare of their mascot—from Bermuda.

As an act of goodwill, Guilds even set about decorating the R.C.S. Physics building. The 30 ft. Spanner pasted to the outside looked very nice indeed. The scar remains to this day despite pathetic attempts to scrape it off.

GuilDSmen have also had fun

at the expense of other objects. To name but a few, there is the Albert Memorial, U.L.U., Bedford College, Putney, Chelsea Police Station, London Transport and several private motor cars.

Which brings us on to Boanerges.

This renowned 1902 vintage James and Browne motor car is resplendent these days in a livery of maroon and silver and free from all tarnish. Bo takes part regularly in the Brighton run although now this is becoming quite an effort. Recently Bo became the father of twins, two go-carts, who are beginning to give him a bit of a run around. He also pays an annual visit to the Lord Mayor of London and attends the May Ball and the Engineers' Dinner Dance.

The latter is the highlight of the Guilds social calendar, and the best formal occasion in the college. A less formal, more riotous event is the Guilds Carnival, a whole night of wine, women and song guaranteed to shorten your life by at least ten years. So—don't miss it.

The college boatrace takes place annually on Morphy Day. Two races are held and last year Guilds kept place with tradition by winning them both. Beforehand, Guilds and R.C.S. do battle on the muddy towpath. Usually Guilds are triumphant, leaving their victims half drowned, trouserless and neck-deep in mud. As with all sporting events, such as the Swimming Gala or Sports Day, the Union Bar is the final target.

In the summer, we have the Guilds Field Cup, held in Hyde Park. This is a treasure hunt, with the Serpentine and the local Constabulary as the main obstacles. No holds barred—no Bar holds the winner.

As has been said before, success is the cone of Guilds tradition and the secret is PARTICIPATION! Anything goes well if everybody takes part. This is the essence of any successful enterprise.

And so Guildsmen, with Freshers Dinners on us once again, remember that whether or not this is to be a year to be remembered depends on you.

Let no more be said . . . !

Bob Schroter, President.

Rod Jones, Vice-President.

Mike Cox, Hon. Secretary.

Gliding

IC GLIDER PILOT FLIES TO MATTERHORN.

The I.C. Gliding Club expedition to Aosta, a gliding site in the Italian Alps, was its most ambitious ever. In guide book parlance, Aosta is set in what must be amongst the most magnificent gliding surroundings in the world; the glider pilot, reading between the lines, would correctly infer that Aosta is not for beginners, and the party was chosen accordingly.

At dawn on 17 July, Beit Warden Frank Irving and crew of 3 set forth from Prince Consort Road with our Skylark 4 on tow. Meanwhile, Mike Neale (I.C. President 1954-55) and crew of 3 were on the way to Dover from Lasham with our Eagle 2-seater. Eventually the Alps appeared on the horizon, which Frank surmounted via the 8,000 ft Grande St. Bernard Pass with nothing more than light passenger assistance, Mike choosing the Petit St. Bernard, allegedly for its superior scenery. A shattering drive of 700 miles in 30 hours (only 17 hours actual driving) by Bill Kronfeld and crew of 2 brought the party up to 11, leaving 3 more to arrive later by various means.

Aosta Valley is only 3 or 4 miles wide between the peaks on either side, some rising 10,000 ft above the valley floor. With intense sunshine (very reliable!) the valley soon resembles an oven, and the hot air rushes up the mountain sides in the form of powerful thermals. All you had to do, then, to get an unforgettable view over the Alps was to circle in one of these thermals and let it carry you above the mountain tops—or so we thought. In fact it turned out to be more difficult than this and the route to the tops was often found rather close to the mountainside, demanding skillful flying in very turbulent air. Moreover, the turbulence near the ground made the aero-tow launch and the landing rather difficult, so that a few of the less experienced pilots did not fly solo, but

they nevertheless enjoyed some extremely interesting flying in the Eagle.

On one of the better days, Bill Kronfeld climbed to 13,000 ft and flew in the thermals from one mountain to another and eventually reached the Matterhorn, 20 miles to the north-east, before returning to Aosta. This flight created a considerable stir in the world press, for Bill was seen by skiers from Breuil, a town at the foot of the Matterhorn. Within hours telephones were ringing with excited reporters at the other end, who contrived in their usual way to get the story wrong.

It appears that this was the first reported flight to the Matterhorn from the Italian side in a glider. Whether this is the case or not, Bill had fulfilled one of his ambitions. Thirty years ago, his father, Robert Kronfeld, pioneer of thermal soaring, had made the first ever glider flight to the Matterhorn.

When not engaged in flying, miscellaneous break-away parties were sampling the night-life, etc. Remote, high altitude night spots seemed irresistible, mostly, one suspects, on account of the hair-raising drives up and down those spectacular mountain roads. In the heat, thirst quenching proved to be a problem. The local water, containing 20 per cent. alcohol, had a very strange effect on some.

Cutting a long story short (the rest will appear some time), we did 140 hours of magnificent flying in 3 weeks, more than we could hope to do in a whole English summer. Four pilots who needed a flight of over 5 hours duration as one of the requirements for the Silver "C" certificate realised their ambition: 9,000 ft was exceeded on 13 flights.

For full story with slides and film, come along to our Freshers' meeting (see Gliding Club notice board).

UNIVERSITY of LONDON CONTINGENT

OFFICERS TRAINING CORPS

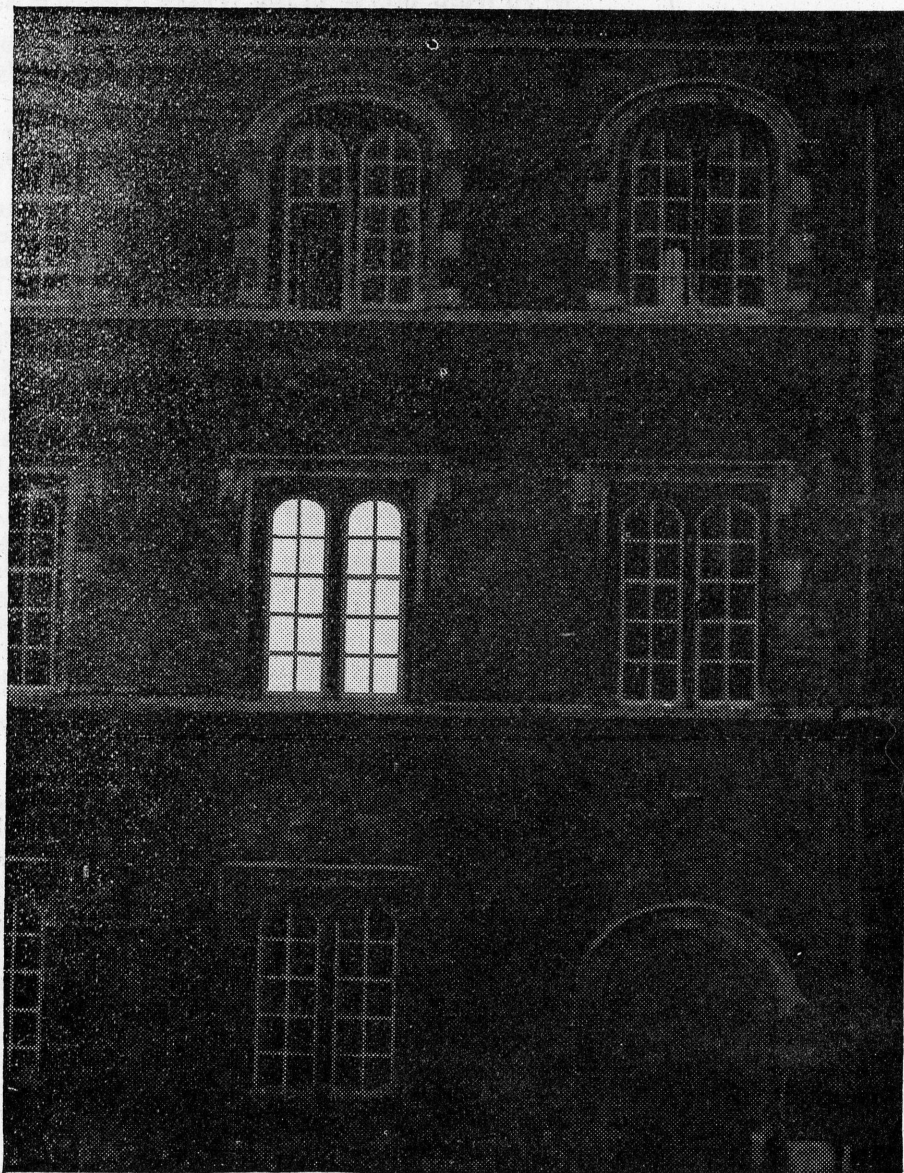


HAVE YOU JOINED?

OPEN NIGHTS : 7th, 8th, 10th OCTOBER, 1963

Yeomanry House,
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big that the essential 'human touch' is endangered.

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DRAMA

SO YOU WANT TO JOIN THE DRAMATIC SOCIETY?

So you don't want to join the Dramatic Society. Well the choice is up to you, but we did produce five plays last year, and we even staged an opera. Then there was the Revue that we did at the end of the Summer Term. I think it was called "Three" because it comprised of a revue, a play, and a musical. That makes it nine productions of various sizes.

Doesn't that mean that there's a chance for Freshers?

Well I suppose so. One of the plays for the London University Drama Festival was almost 100 per cent. Fresher content. There were quite a few Freshers in the Christmas play "Ring around the Moon." There were two Freshers in the Revue, only they weren't Freshers, because they had had so much experience in the other that they had been in during the year. They enjoyed themselves. You meet people.

But I can't act!

Nor can many of our members. We call them stage crew. They're experts, though. There's a lot of valuable equipment back-stage. It takes experience to drive it properly, but many have this experience. The scenery doesn't fall down, either. It's well built. Very well built. We have a workshop by the stage, set aside exclusively for the use of Dram. Soc. by the Union. We are the sole purveyors of high quality theatrical equipment and appliances to the Union functions.

Didn't you go to Hamburg last summer?

Yes, we did "The Lady's not for burning." The Germans loved it. We had to print more tickets — in German even. They applauded for six solid minutes at the last performance. We tried to stop them . . . but . . . The staging was a creative challenge.

We lost some of our members as B.Sc. (Eng.) and B.Sc. They were experts at Stage-craft. We shall have some who hope to be B.Sc. (Eng.) next year. We need some new experts. It takes 7 weeks to learn the operation of the Sound equipment — properly. It takes a long time to learn the workings of the lighting gear — properly. The stage offers many challenges for creative design.

I expect someone will tell you about the Fresher Reception we hold later. You get a bit of food and some tea, I think. You get a tour of the stage as well. It's rather interesting. You can come along if you want, it's free.

Or come up on the Stage on Freshers Day and see for yourself — and talk with us. That's free as well. Free of obligation. We like to meet people.

Oh, I forgot; you don't want to join the Dramatic Society.

CROSS-COUNTRY THE BEN NEVIS RACE

This year's race, held on Saturday 7th Sept. was as stiff a test of stamina as any in the history of the event. IC's contribution to the total entry of 227 runners was a four man team; C. E. James, P. D. Crews, D. M. Reaves and J. K. Pereira. Ex-IC man C. P. Woodcock was also in the party, but an injured ankle prevented him from taking a full part in the race. Nigel King, and old Centralian, also went along and acted as a supporter.

The course, one of the toughest in Europe, is 14 miles long; and extends from Ford William at sea level to the top of the 4,406 ft. peak, and back again. Steady rain on the day of the race made the rock-strewn mountain path both muddy and treacherous.

A pipe band led the competitors to the start where there was a surprisingly large crowd to cheer them on their way. To begin with the IC team held well back, being aware of the long climb ahead. By half way, Crews lay 46th with James close behind and climbing steadily. Both Reaves and Pereira were further down the field. Conditions at the summit could only be described as arctic. It was here that several exhausted runners succumbed to the elements and later had to be treated for exposure.

Coming downhill was more than just half the race. Crews lacked confidence in descending the scree and so slowed down. When the runners fell back onto the final stretch of road James had caught right up, thereby showing superior technique and fitness. Meanwhile Reaves and

THE CLUB

I.C.C.C.C. is a club with a shining past and a future that depends largely on you. The departure of our top dozen or more runners over the last two years means that we are looking for talent of every standard for the coming season.

If you ran cross-country at school, then why not now? For our size we must be one of the busiest clubs in the Union. We race twice a week and on many days there is even a choice of fixture. Apart from matches in and around London there are trips to Exeter, Southampton, Leeds, Brighton and also an Easter tour of probably Ireland.

Whether you ran at school and are toying with the idea of keeping up, or are a confirmed addict to the sport, come and see us in the Concert Hall on Freshers' Day. Come then, or turn up for a freshers' run (nay trot) on Wednesday, 2nd October. This is purely a social occasion. We will meet at 2.30 p.m. inside the gym and then tea will be provided afterwards. For any further information see the club notice board at the foot of the staircase outside the bar.

Pereira managed to hold their own.

At the finish, James and Crews crossed the line 55th and 56th, both with the time of 2: 6: 11. It was Reaves' first attempt at the race, and a commendable one at that (113th, 2: 24: 35). No doubt the future will hold some improvement for him. Although unfit, Pereira (122nd, 2: 28: 1) returned a time which was only slightly down on last year's performance. Woodcock had to nurse his ankle, but despite this finished in 2: 48: 1 and showed what taking a little care could do.

The overall winner was P. Hall of Barrow A.C. in a record 1: 41: 45, and the team prize went to the 1/6 Q.E.O. Gurkha Rifles. UL runner P. Littlewood was 15th in a good time of 1: 56: 7.

P.D.C.

BADMINTON CLUB

The Badminton Club welcomes all Freshmen and invites all those with any interest in the game at whatever level to join the club. The club plays three men's teams, a mixed and a ladies' team. The 1st and 2nd men's teams play in U.L.U. League one and last year the 1st team topped this League. The men's 3rd team, a new departure, will play in the U.L.U. League Two and will provide match play for the less experienced members of the club. Mixed social matches are arranged and the club plays a number of friendly matches, notably against Oxford and Cambridge 2nd teams. During the year there is a singles championship for the members and once a year we see each other in trousers or dresses for the first time at the club dinner and theatre visit. Like many I.C. sports clubs the principal battlefields are somewhat removed from South Kensington, although we have limited facilities in the Union Building. Travelling instructions and details of trials will be available on Freshers' Day and will appear on the club notice board.

SQUASH

A YEAR TO REMEMBER

The Squash Club had a memorable year, four cups, an almost unbeaten record, a tour of Ireland and burnt out courts. This year promises to be a difficult one; at the time of writing (August) no courts have yet been found, but our fixture list is more impressive than ever, and a professional will continue to give instruction. Our No. 1 remains Sherif Affifi, an Egyptian International, unless the second team have been practising over the Vac. We run two teams with a variety of home and away fixtures, and we are rarely affected by the weather.

The Squash Club will have a stand on Freshers day, and the whereabouts of this seasons courts and trials may be obtained there; pay us a visit.

J.M.C.

IMPERIAL COLLEGE RUGBY FOOTBALL CLUB

The I.C.R.F.C. is one of the largest clubs in the College running 9 XV's every Saturday. The 1st XV plays the second teams of most big London clubs such as Wasps, Richmond, Esher, etc., and the standard gradually falls to the B 5's who play against anyone's Ex B. All freshers will therefore find a standard to suit them.

Trials are being held at Harlington on Wednesday and Saturday next and free coaches are provided from the Union and it is hoped to see as many freshers along as possible.

The club trains on Monday evenings in the gym 5.30—7.30 and Thursday 12.45; for tactics and training in the park. Keen members are invited out on Tuesdays also. Please note training is compulsory for intending members of the 1st and 2nd XV's and others are very welcome to come along.

The University knockout cup, has been won by Imperial College 9 times in the past 12 years but unfortunately we are no longer holders, failing miserably to retain the trophy last year. So a great effort is required from every member in every team to ensure a good fit healthy club and to bring back the cup this season. I do hope I can count on the co-operation of every member of the club in this mission.

ALAN HAVARD,
Captain.

I.C. ROVER CREW VISIT ICELAND

Twelve members of the Rover Crew joined the I.C. Expedition to Greenland aboard the m.s. Gullfoss at Leith on June 24th, and sailed for Iceland. During the first meal on board, the Rovers, ably assisted by the members of the expeditions present, succeeded in devouring virtually all of the cold buffet provided, much to the amazement horror and disgust of the stewards. However, during the rougher periods of the voyage, food was not so popular. One unfortunate member of the Crew discovered (the uncomfortable way) that an evening in the bar was not a good thing before a rough night.

Iceland was eventually reached after two and half days and many pukings. The party staggered ashore at Reykjavik, only to be overcome by a strange attack of "land sickness." (You just can't win!) A representative of the Icelandic Scouts was on the quay to meet us and took us to their H.Q. where we spent the night after a day's sight-seeing in the town. The next day we were taken on a bus trip by Dick Phillips—Iceland's renowned walking tours leader—past the mighty Gullfoss waterfall to the hot springs of Hueravellis in the central desert, returning at 5.0 a.m. next morning to Selfoss. Some of the party left in the afternoon on an expedition to Mt. Hakla, while the remainder stayed to see the milk processing factory, entertain the local children and explore the country round about, before departing on the Monday for Londmaunalauger—not far from the area visited in 1960 by an I.C. Expedition. En route the Hekla conquerors (and "conquerors") were picked up, and

after much pushing of the bus through the soft volcanic dust, the destination was eventually reached in early evening.

A week was spent amongst the hot springs, strange colours and lunar-type scenery, most people making the 50 mile round trip to Eldgja—the world's largest volcanic fissure, with the truly magnificent Ofaerufoss tumbling into it.

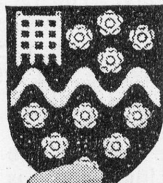
The final part of the camp was 50-mile hike over the Torfajokall pass to Fljotidal (near the Myrdalsjokall in the South). The set of directions provided by Dick Phillips proved invaluable in helping us over the little used route, and providing an alternative to map-reading.

Fljotidal was eventually reached, the hike had provided many magnificent views, debates (especially on the method of cooking luncheon meat) and good laughs, as well as the usual quota of blisters.

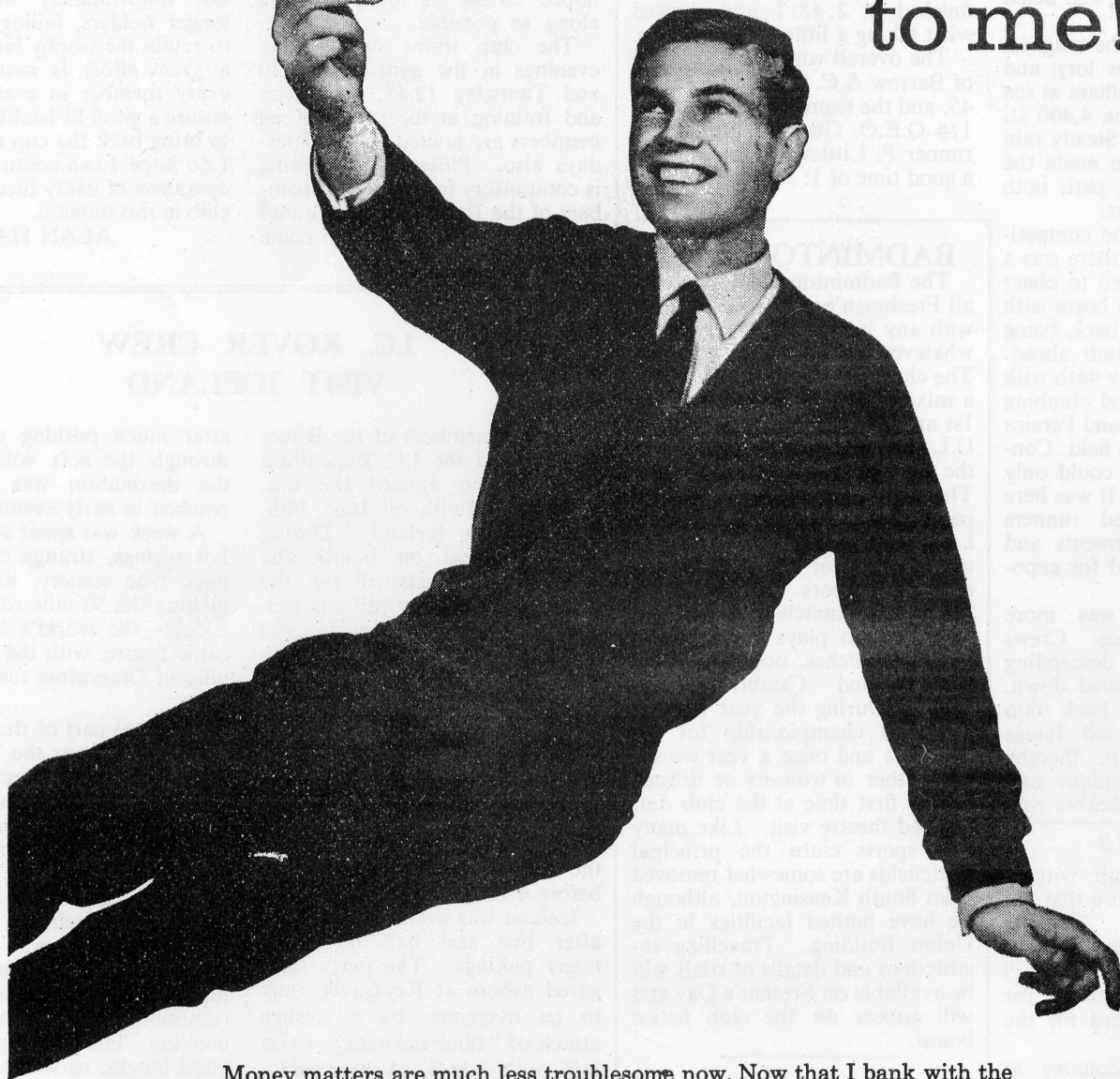
After returning to the Scout H.Q. in Reykjavik, most people took advantage of the town's swimming pool for a good-wash, and then spent the remainder of the time souvenir shopping.

The camp ended in the traditional way with a dinner of local food, held this time at the Hotel Vik, at which we entertained Dick Phillips and Mr. Octogen of the Icelandic Scouts Association.

The voyage home proved rougher than the outward one, and a fund was organised to be given to the last person to be sick, subject to certain conditions about attendance at meals. This was won by Vic Moss, who used it, very public-spiritedly, and bought drinks all round, whilst sailing up the Firth of Forth on July 15th.



Full marks to me!



Money matters are much less troublesome now. Now that I bank with the Westminster. When I receive a cheque or a warrant, I don't hunt round any more for someone to cash it: I pay it straight into my bank. I use cheques myself, for payments; and bankers' orders—not my memory—take care of the regular items, such as subscriptions. I gave myself full marks for 'discovering' the Westminster. And so, I think, would you. Just ask the nearest branch (address in Telephone Directory) to tell you about the Westminster Bank service to students.

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