

3D

EVERY FORTNIGHT



THE NEWSPAPER OF IMPERIAL COLLEGE

No. 101 FRIDAY 1st FEBRUARY 1957

QUEEN MOTHER TO VISIT I.C.

'THEY'RE OPEN'



THE FIRST PINT

FEVERISH ACTIVITY IN THE NEW BAR TO HAVE IT READY FOR OPENING ON JAN. 3RD.

The days immediately preceding the opening of the new Bar on Jan. 3rd were marked by the same wild flurry of activity by the builders as had been the openings of the Lower Refectory, Dining Hall and Concert Hall last term. The responsibility of transferring all the Bar property and stock from the "yellow" bar to the new one and the ordering of fresh supplies of beer lay with the college, and here calamity came from an unexpected quarter. Ted Smith, I.C. barman for thirty years came April, was taken ill and sent to hospital for an operation. Our anxiety for Ted was happily soon relieved, by the news that the operation was a comparatively minor one and had been successful.

Fortunately Ted had ordered ample beer supplies just before his illness, and thanks to the great efforts of Dan Ilcroyd (Union porter), bar assistant

COMING SOON



CAN YOU (yes you) READ THIS ISSUE WITHOUT BLUSHING???

THE PHOENIX

ARRANGEMENTS IN HAND

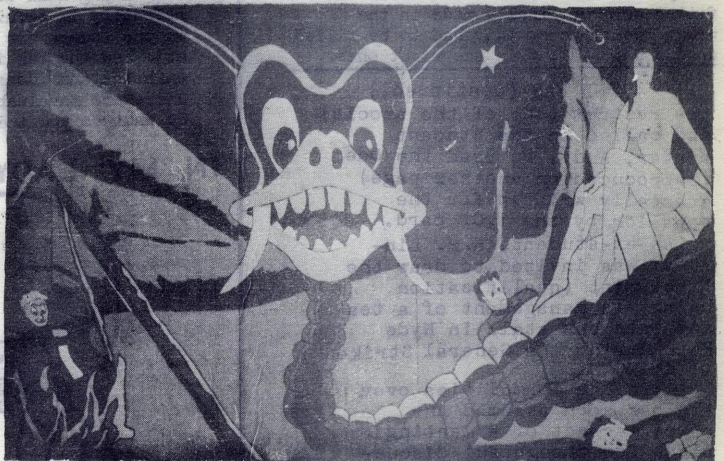
It has been officially announced that Her Majesty Queen Elizabeth The Queen Mother will visit the College on 28th May, and that during her visit she will open the Roderic Hill building.

From unofficial sources comes the information that she will make a speech in the Concert Hall before television cameras, and will be welcomed by an orchestra installed in the entrance hall. This last is subject to confirmation. Further details will be announced later.

WATCH THIS SPACE

WARWICKER'S

WALLPAININGS



THE BAR (CONTINUED)

Jim and a working party of student and staff volunteers, the change-over was completed in two days. As the opening hour approached the scene in the Bar was reminiscent of Mooney's Kitchen on October 8th. While Dan and Jim were accustoming themselves to the new beer pumps and generally preparing for the worst, carpenters worked on the main doors, another carpenter was busy changing a lock which had been fixed the wrong way round, electricians' legs dangled from a trapdoor in the ceiling while other electricians and plumbers popped in and out of trapdoors in the floor. At 5.30 the place was ready to be swept out, however; the main swing doors still did not boast a proper look but the show had to go on.

At 6pm., fifty thirsty men assembled for the opening ceremony. With due solemnity the bearded President mounted

ON FRIDAY JAN. 18th the "R.C.S. space ship was away" at 21.00 hrs. Fears that the attendance would be low, because only four days of term were available for procuring partners, were unfounded, the Concert Hall being crammed full with people in "Precession of the Gravitational Vector."

The Concert Hall was extremely well decorated with flats whose erection showed a considerable engineering skill.

The largeness of the Concert Hall tended to spoil the more intimate atmosphere of previous carnivals held in smaller spaces. It seems as though some method of breaking up the rather geometrical and stark arrangement of the flats is necessary, and perhaps the appearance of some relevant props standing on the floor or suspended from the ceiling will help the decoration of future carnivals.

(continued on Page 2.)

(continued on page 4.)

NO PLACE LIKE HOME

BACK TO THE BUILDINGS

When the return of the Union to its old home was postponed until January 14th it was thought that even at the slow rate of progress being achieved, there should be ample time for the ground floor and the rest of the eastern half of the building to be finished. However, there seems to be no end to this tragic story, and some time during the Christmas vacation the heating arrangements for the cloakroom and ground floor entrance hall were completely re-organised (surely this could have been done any time in the last two years?) This involved knocking holes through eighteen inch walls and in the floor, and set back the cloakroom by several weeks.

So much for set-back number one. Set-back number two came when, although the Union had made a precise and detailed list of notice-board requirements no less than eighteen months ago, it was discovered in the Planning Office that none had been ordered. Hence the present temporary arrangements, hastily completed just before the start of the term.

Experience with the Refectories, Concert Hall and Bar has shown that the only way to produce any marked progress in the work is to insist on a certain deadline and move in whether the workmen have finished or not. Even then a great deal seems to be left until the very last minute. For instance during the vacations two cork floors had to be laid and the floors to the Concert Hall and table-tennis room had to be sanded and treated for two or three days. It was arranged that this should be done between January the 2nd and the 10th. Despite frequent appeals by the college this work did not begin until the 10th and was not finished until the 17th. The hand-rails to the central staircase make another sad story. The holes into which these are fitted were originally made in the wrong positions so they had to be filled up and chipped out in the right ones.

THE BAR (continued.)
the rostrum (one of the stools) and called on the Student Orator, Andy, to read the Ode (reproduced on another page) specially written for the occasion by the I.C. bard.

An ex-student, R.P. Linstead was invited to draw the first pint (qualification being his management of a tea and bath bun stall in Hyde Park during the General Strike of 1926).

With the formalities over, the bar soon assumed the proper aspect of a meeting place for thoughtful discussion, mirth and sport.

The only thing needed to complete the evening was Ted behind the bar, but, as this could not be, everybody signed a petition wishing him a speedy return.

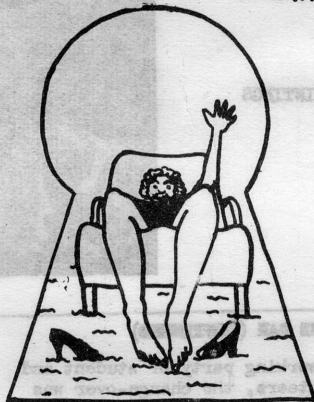
Other inexplicable and mysterious events have occurred in the top-floor refectory. The rough concrete floor was fitted with metal clips to receive wooden battens along which a strip floor can be laid. Then a vast number of wood blocks were delivered. There followed a period of inactivity (during which all enquiries received evasive answers), and then the clips for holding wood battens were covered with a thick layer of cement on which wood blocks can be laid. This layer of cement is at present drying out (a process which takes about two weeks) and the opening of this refectory is still longer delayed.

Almost every day something new crops up. The ventilation of the kitchens, servery and wash-up was completed during the vacation. At first its effect was to produce a howling draught (head-high) past the unfortunate people working behind the counter and in the wash-up. These two draughts met somewhere near the hot-plate in the kitchen. Hence cold food was combined with indignant refectory staff suffering from headaches and pains in the back. However, assurances have been made that these are mere teething troubles with the new system and that all will soon be well. A serious suggestion that wind eddies round the Albert Hall are responsible for directing a draught into the servery skylight has been laughed to scorn.

Bar conversation has lately been more concerned with the internal decorations of rooms that are finished rather than the general slowness. Everyone has his own ideas on this sort of thing: a few hasty personal impressions are that the concert hall and dining hall are good, the lower refectory is awful, the armless chairs in the lounge are cheap and uncomfortable and the Bar is excellent. The opinions and ideas of the buildings' users are invaluable and interesting. So what do you think?

A.K.

IN MY LADY'S CHAMBER



NELSON'S COLUMN

There is some talk of the numerous secretarial colleges in the vicinity being combined and given a status equivalent to ourselves - shall we live to see the day when there will be a Royal College of Secs.?

Talking of inhibitions - carnivals are what you make 'em! And there were far too many people who arrived at the last one as if it were a supper-dance - the decor's pretty lurid, let's match it with the costume. And costume need not be involved or time-absorbing - never has an "alice band" looked so redundant as on the head of well, guess?

The wind whispers that our debating chairman of the Social Clubs Committee is becoming musical - heard to say "let S.C.C. stand the loss, the Musical Society must have an audience ..."

Why, oh why, can't people get things right? The Conservative M.P. in last term's debate on the Middle Eastern policy called us the Imperial Institute; our rival, "The Times", repeated this insult in a critique of "Loftur"; Brian Oggi - the Imperial scribe - wrote to the Radio Times to correct them on a quiz game in which they had mentioned Jezebel - and the printed letter referred to the Guilds' mascot as Bob. The blue Fiat belonging to Andy Levine was featured in the January issue of Motor-Sport - and attributed to a damned art student! Why, in this year of learning, 1956, can't they get things write?

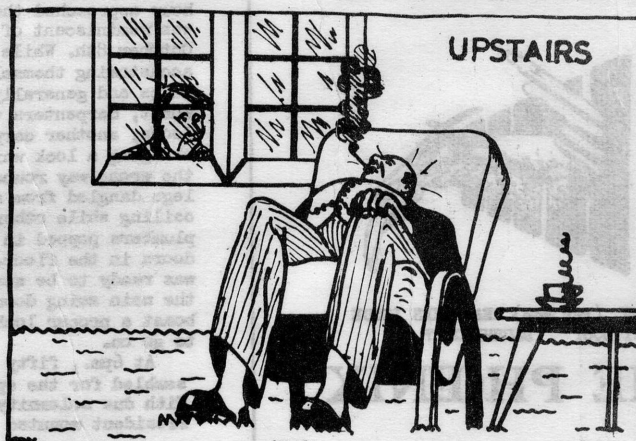
We are told that since the New Senior Common Room came into use, only black coffee is sold in the Upper Dining Hall. While this is admirable after Carnivals and other orgies, on normal(?) days, a little milk would be appreciated.

Reliable rumour has it that on Feb. 15th. Lulu and the Zulu are to perform a "Fanagalo" in aid of the Mines; black coffee would then be appreciated.

At the time of going to press, we have heard that the writer of the letter on Page 3, has been invited to prove his drinking ability in the Bar on Wednesday (30th.). We hope that they will soon be out of hospital.

Here's to a sordid New Year - may all your dirty, rotten plans materialise - and may the column be within earshot (as the lights are not likely to be on).

Editor's note: "Nelson" has recently changed his identity, and, being an engineer, designed his own column(q.v.).



FELIX

CIRCULATION 400

EDITOR: DAVE GRIFFIN

ADVISORY EDITOR: J. V. BRAMLEY



The state of the new Union has been dealt with adequately elsewhere, but we should like readers to note that, even though they may not approve of certain aspects of the building or decoration, it is here with us to stay and we should make the most of it. The Union is here for our convenience, but should not be treated as one: nail-hammering into the walls should be discouraged; footprints on the paint-work should be avoided (shades of the "29 Club"—see side of this column); carving of initials on the woodwork ought to be taboo; and we should prepare to defend our Union from all adversity to which it may be subjected by intruders.

We congratulate Mr Marples of Marples and Ridgeway on his appointment as Postmaster General; we look forward apprehensively to the next "Post Early for Christmas" campaign.

We also congratulate Messrs. Jim Carter and Pete Brazier on being appointed Sales Manager and Assistant Sports Editor of Felix respectively; the printer on his marriage during the vac. Technical difficulties have resulted in our appearing a week late; we hope that the new lay-out of this issue justifies this delay. We would welcome any comments on it.

Readers may have noticed in 'Sennet' last week an article on 'Nurse-manship'. The same article was sent to 'Felix', and, we are told, to all other college newspapers. It seems to us that this is not quite playing the game, as 'Felix' in common with most other college newspapers, does not appear until the weekend; by this time, any article in the preceding 'Sennet' will be of little interest to I.C. readers. 'Felix' welcomes all articles, but we do not want it to become a reproduction of 'Sennet'—although at times in the past, the reverse has been the case!

LETTERS TO THE EDITOR

I.C. AND THE P.O.

Dear Sir,

Despite strong opposition from local education authorities, many I.C. students must find it a financial necessity to work for some, if not all, of the time during the vacations. In this connection, it has become a habit with many students to work at the General Post Office as temporary postmen during the pre-Christmas period of the Christmas vacation.

In 1955, the Michaelmas term ended on the 16 December, making Post Office work just possible. This year, however, term did not end until the 20 December when, with only 4½ days of their rush remaining, the Post Office are not prepared to engage staff.

No other college of any size finds it necessary to extend their Michaelmas term until the 20 December; the average coming down date for the whole of the University is the 13 December.

Surely it is possible to shorten the long summer vacation by one week in order that the term may end at least ten days before Christmas. Perhaps those deciding term dates for I.C. will do something about it in future years, when they find their cards and parcels arriving after Christmas.

Yours faithfully,
Anthony J. Wright.

BAR BEER

Dear Sir,

While rejecting the absurd letter of Mr Charles in the last issue of Felix as ridiculous nonsense, the union authorities might just as well turn the new bar over to the community hymn singers unless something is done about the standard of beer served there. The brand of beer at present dispensed, though no doubt very delectable to some palates, seems to lack the flavour that most habitual tipplers prefer. While there has been a certain improvement in the murky fluid we received last year, the only generally acceptable solution is to return the present brand to the river whence it came, and change to a selection of the best ales of the Country—Y*ngers, Fl*wers and W*tn*ys. I may add that my only interest in these beers is gastronomic and not financial.

Yours in thirsty anticipation,

O. Nick Clark

See page 2.

MONKEY WEATHER?

Dear Sir,

Why people should wear scarves and overcoats to eat a meal is beyond me; with the cloakroom so near, very little effort is required to hang coats there rather than drape them over radiators in the refectory.

By making this effort the Union might look less like a Salvation Army Rest Centre and more like the centre of college activities.

Yours faithfully,

Neelina Gargill

OBITUARY

GUILDS SUFFER GREAT LOSS IN DEATH OF MR. JOHN WALKER

Members of the College will have heard with great regret of the death of Mr. John Walker, Deputy Registrar of City and Guilds College, who died in the Royal Sussex Hospital, Brighton, on the 9th December.

Mr. Walker, affectionately known as "Johnnie Walker" by generations of Guildsmen, was born in 1895 and, apart from his service in the Royal Flying Corps during the first World War, he served the College continuously since 1910. He was appointed Assistant Registrar in 1927 and Deputy Registrar in 1946.

Johnnie Walker devoted his whole life to the work of the College and his unflinching good humour and willingness to help won for him many friends, both students and staff. He was extremely popular with every generation of students; on numerous occasions he presented the Engineers Field Cup, and he was a member of the Links Club. In his spare time he was a keen gardener and musician, and for some years was a member of the Handel Society.

Mr. Walker had an extraordinary memory for the names and records of Old Centralians and had for many years been of great assistance to the Old Centralians Association in an honorary capacity. His death is a great loss to the Imperial College and to Old Centralians in all parts of the World.

COMFORT AND CONVENIENCE

Dear Sir,

Whilst the union buildings are now inevitably in a rather chaotic state, seemingly surprisingly little imagination has been used in furnishing the Snack Bar and the Ayrton Hall lounge.

In contrast the Ayrton Hall lounge now resembles a desert fringed by a most uncomfortable oasis.

The large armchairs and settees which have been placed in the former, restrict the number and comfort of eaters and hinder the mobile staff.

Since the Union lounge can hardly be expected to provide sufficient accommodation for students, and in the short lunch hour many R.C.S. students stay up at the Ayrton Hall end, surely it would be more sensible to leave the larger furniture there and place the present chairs in the Snack Bar—thus providing comfort without restricting space?

Yours sincerely,
Rosemary Melville.

SOLUTION TO CROSSWORD (last issue)

Across: 2, Marched. 7, Lags. 8, Ails. 9, All. 10, Let. 11, Pest. 13, A top. 16, Supplications. 17, International. 20, Goal. 23, Awe. 26, Ran. 27, Here. 28, List. 29, Rubbers.
Down: 1, Bale. 2, Moat. 3, Relations Club. 4, Half past three. 5, Data. 6, Alto. 11, Passing. 12, Sip. 14, Too. 15, Pestle. 18, Tea. 19, New. 21, Over. 22, Leer. 23, Awe. 24, Easy.

Solution to the 'book' puzzle:
College Calendar Page 50.

PROFILE



Kurly Kale

If ever you want to listen to a good tale, well told, go to Room 47, 5th floor, Old Hostel, where Pete (Kurly) Kale, Secretary of Guilds is in residence. This tall, good-looking Welshman (he is over 6 ft., which is gigantic for Wales) has many stories about his wide and varied experience of life, and the interviewer had no trouble in digging out information, besides being regaled by many amusing but unprintable stories.

Born at Skewen, South Wales, Pete has played rugger for Neath, felled trees, dug graves, partaken in knocking down the Guilds' building and has worked behind several bars, where he has made himself an expert on "mixtures".

After becoming Head Boy at his school, he came to I.C. in 1953 and became Captain of the C. & G. Rugger club, before he was invalided out after finding his foot facing the wrong way; now, he referees the matches and plays water polo. In connection with this last, he tells of how, in his youth, he used to go for a cold, early morning dip in

the sea nearly every morning including Christmas Day.

He tells us that most of his interests - flying, cycling, music (he has played the violin in the National Youth Orchestra of Wales) - have disappeared since he became engaged. In view of this fact, it was thought that it would be pleasant to illustrate this interest in the above photograph. (interested?)

His hates are houseflies and gossips - this latter led to his appearing as the defendant in an assault action as a result of defending a lady's good name. For further information, see Pete.

At this point this interviewer was hurried out pending the arrival of the fiancée. For further information, see Pete.

CARNIVAL CABARET

(continued from page 1.)

The Cabaret opened with a demonstration of landing on a foreign planet by Mr. K. (pity B. was absent), who appeared dangling from a rope and tastefully clad in a goldfish bowl.

The usual cabaret fare was provided, including the now inevitable Mooney custard-pies. One turn, "The Pianist", actually held the full attention of the audience and the slick timing indicated that this act had been well rehearsed. It was, unfortunately, the only one.

A carnival cabaret is essentially a show where the audience joins in and, judged on this criterion, the R.C.S. cabaret can be considered "a howling success".

KULTURE KOLUMN

ODE ON THE CONSECRATION OF THE BAR. COLLEGIUM IMPERIALE

— on this the third day of January in the year of our Lord one thousand nine hundred and fifty seven

Oyez! Oyez! whereas, wherefore, hereby, hereto, we gather in statu pupillari - and all the rest of all the blather, The fact, in basic English, is we've come from near and far To dedicate ourselves anew and consecrate the bar.

The mildest men turn bitter and the stoutest yet go pale To think about the dreadful place where last we drank our ale

For far too long we flinched beneath the colour schemes of Vere

That drained the sparkle from the Schweppes and curdled all the beer.

For far too long we've queued in pairs for dirty concrete stalls,

Ignoble degradation when we once had marble halls-

It may suffice for Oxford men: for I.C. it will not;

So now turn right for porcelain and left for foaming pot

The scientist's a funny bloke whose world's a funny place-

Infinites of atoms in immensities of space,

With positrons a-popping and electrons whirling round

At half the squared factorial of thrice the speed of sound

But now we've built another world, a world that's better far

The world where Burton's on the Trent and Ted's behind the Bar.

He's been barman now for thirty years

And how those years have fled.

But there ain't a barman living in the land

That we'd swap for our dear old Ted.

A.R.B.

DYNAMICS of DANCES

1. After observations at vast expense over a long period of time, it has been observed that groups of people at dances obey laws which can be explained by postulating certain forces between persons (termed units in this report). In order to do this a value known as the "Charge" or "Freedom number" is allotted to any one unit. This measures the amount of freedom any unit has and it also indicates the sex.

2. The charge has the values $0 < s \leq +1$ for a female, and $0 > s \geq -1$ for a male unit e.g. for an unattached female this has the value of +1, and for a girl who agrees to leave the dance early the value would be close to zero.

The loss of charge depends very much on the time of proximity to a unit of the opposite charge. It will therefore depend on the number of dances the unit has had. This may be discussed in a later report.

3. The attraction between any unit and a group can be given by the expression:

$$F = \frac{AN^2s^2}{r^2} - \frac{BN^3}{r^2s}$$

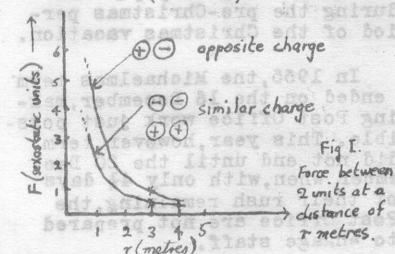
where r = the distance between the two bodies (metres)
 s = the charge or freedom number
 N = the total charge of the group
 A, B = constants.

The first part of the expression shows the effect of the need for companionship between (say) 2 girls or a girl and a man.

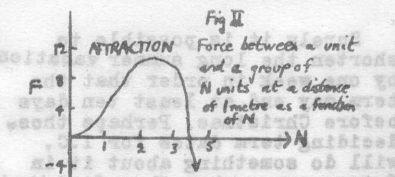
The second term measures the innate repulsion between 2 girls and the attraction between two members of opposite sexes.

Thus it can be shown that although there is a strong attraction between unit of the opposite charge there is also an attraction between similarly charged units. Inserting rough values the formula can be reduced to:

$$F = \frac{N^2}{r^2} (4s^2 - \frac{N}{s})$$



The effect of these forces on the formation of conglomerations of units is that groups of 2 or 3 of the same sex will be formed but that groups of 5 or more will be unstable, and will split up.



(continued on page 5.)

PERSONAL AD.

Cambridge graduate seeks to share flat near I.C. with fellow-libertarian. Contact A.J. Truelove through Union rack if interested.

LOFTUR

MINES' NIGHT SURVIVED

There has been no Mines Night for two years. This occasion when the audience enlivens the Dramatic Society's performance in their own fashion, is however a long established tradition.

Defending the production were Dirty Dick and his Ice-landers. Attacking these exhibitionists were about 100 miners and their supporters - aided by guitar, tape recorder and loudspeaker.

There was a gentleman who at intervals displayed cards bearing instructions such as 'Boo', 'Cheer' and 'Free Noises' which were enthusiastically obeyed by the audience. Sundry wits at the back of the hall regularly interrupted the characters with sage advice and perspicacious comment. Sound effects which the Dram. Soc. either did not possess or were reluctant to use were obligingly supplied from a prepared tape recording through the loudspeaker concealed in the auditorium.

Instead of entering into more detail it is enough to say that this theatrical battle ended in an honourable victory for both sides and all who took part spent a most enjoyable evening.

PYTHAGORANALYSIS.

As stated with the clues the Pythagoram must be solved twice.

The first solution was in the numbering of the clues. The jump from 6 to 10 indicated that the septimal system instead of the decimal system of numbers was used.

Hence the highest number possible was $7^4 - 1$, i.e. 2400 (6666 in the septimal system) and the lowest 7^3 , i.e. 343 (1000).

Once this solution was obtained the final solution was simple.

Consider clues 1, 3, and 4,

(ac)^b, a^c, a^(ab+c)

Taking clues 3, and 4, we can draw up a table showing values for ac and ab+c based on values of a; bearing in mind the following points:

1. a ≠ 1, since no power of 1 reaches 4 figures.
2. ab+c-a > 1 (ab+c-a-1, if b < c-1).
3. ac is a product of a.
4. $343 < a^c, a^{ab+c} < 2400$

a	ac	ab+c
2	10	9, 10, 11
3	6	6, 7

Higher values of a do not fulfil the necessary conditions.

Now if a=3 and c=2,
 $a^{ab+c} = 3^{3b+5}$, if b=1, $3^{3b+5} = 81$
 $3^5 = 6561$

So a=2 and c=5, which makes b equal to 2 or 3.

But clue 1. is (ac)^b
 (10)^b

if b=2 then 10^b=100 which will not fit in, so b must equal 3.

So a=2, b=3, and c=5

It is possible to arrive at the above solution without arriving at the first, but of course the numbers will not fit the square across and down.

EXCELLENT PRODUCTION

One of the big events at the end of last term was the production by I.C.Dram.Soc. of Loftur, a 3 act play by the Icelandic playwright Johann Sigurjonsson. Loftur was translated from the Icelandic by Jean Young and Eleanor Arkwright and this was its London premiere. It was also the first play to be performed in the new Union Concert Hall and the Dramatic Society have set themselves a very high standard for future productions.

The action of the play (we are told) takes place in Iceland during the latter half of the seventeenth century. It is the story of Loftur, son of the steward to the Bishop Gottshalk, a ruthlessly ambitious young man who spurns a career in the church for the study of witchcraft because he believes that in this way he can acquire infinite power.

Brownbaggers, even those who study witchcraft, never prosper however; Loftur, after betraying the young girl Steinunn who had become his mistress, is destroyed by those very forces of darkness which he is seeking to control.

Outstanding in a strong cast was the acting of Judith Kornbluth, who played the part of Steinunn. The role of Loftur was a difficult one but competently handled by Dick Saunders. The other two central characters were played by Rosemary Melville and Les Allen. They were not always completely convincing in their roles but both gave workmanlike performances. The production and the scenery deserve a special word of praise as both were excellent.

The play received a number of mentions in the National Press, including the Times and the Evening News. The Times were rather condescending in their review, and it was a pity that their critic went away with the impression that he had been sitting in the Imperial Institute. Perhaps the Dram. Soc. should borrow the sign which announces that this building is not a museum.

MIN. & MET. SOC.

Christmas Meeting

A GRAND QUIZ

Metallurgy v. Rest of Mines

Professor Williams, the Dean, as Chairman and Questionmaster conducted the meeting admirably.

For the Metallurgists, Arnold-Day suggested that the alloy with the composition 40-24-36 must be Marilyn Monroe but was in fact corrected by the Chairman who claimed these figures to belong to Sabrina. Gordon Green was equally unsuccessful in convincing the Chairman that he knew the seven deadly sins, and the answer from Herman Ramstad that the wife to outlive Henry VIII was his last, did not satisfy the Chairman either.

The Rest of Mines were well served by Mike Davy who as an individual answered more questions than any other member of the teams. The Questionmaster's idea that a horse could win the Derby more than once was thwarted by Bill Bradford while Hedelin supported the team well.

Timekeeping and Scoring were efficiently attended to by Sam Brooks and John Nicholls, who at the end of an hours entertainment pronounced that the Rest had won by 1221-998.

COMING EVENTS

Friday, Feb. 1st.

NAT. HIST. SOC. Theatre Outing.

Film Show "Banana

and Coffee Growing" Bot. Lec. Th. 5.15

PHOT. SOC. Colour criticism by G.L.

Stollery (leader of the R.P.S. colour

group), Zoo. Lec. Th. 5.15pm.

S.C.M. "Pacifism" Rm. 128 C&G. 1.10.

Saturday, Feb. 2nd.

NAT. HIST. SOC. Outing to Guinness Ltd.

Wednesday, Feb. 6th.

PHOT. SOC. visit to Kodak Ltd. at

Wealdstone.

Thursday, Feb. 7th.

I.C.C.U. Bible Study, 12.55pm. Rm 102,

Chem. Tech.

Friday, Feb. 8th.

NAT. HIST. SOC. "The Coelocanth" Dr.

E. White, Bot. Lec. Th. 5.15.

PHOT. SOC. "Light and Lenses", R. Elvey,

Zoo. Lec. Th. 5.30.

Tuesday Feb 12th.

MIN & MET. SOC. Film Show "The Copperbelt

of Northern Rhodesia" and "Steel and Atom-

ic Energy". 1.15pm. Min. Th.

Thursday, Feb. 14th.

NAT HIST. SOC. "The Flora of the Rhodesian

Fed. and Mozambique" Dr. H. Wild Bot.

Lec. Th. 5.30pm.

Friday, Feb. 15th.

PHOT. SOC. Portrait and Colour Group.

18th. - 24th. Feb.

U.L.U. 2nd. Annual Photographic Exhibi-

tion. Entries to U.L.U. Office by

12 noon, 8th. Feb.

BEWARE!

FEMININE CHARMS have long been used to boost Felix's sales. The latest recruit is May of the Snack Bar, who will deduct threepence from your change unless you produce a current copy within ten seconds.

DYNAMICS (continued from page 4)

For two groups of opposite N values the attraction increases continuously with the number of units. If two such groups gravitate towards one another there will be a tendency to split up into neutralized couples. When such a couple is formed, a becomes small for both units and the repulsion of each for any other units tends to become very large. The couple will therefore seek a spot away from others.

Various other properties can be deduced from the above equations but what practical steps must be taken for the optimum results?

4. It is generally considered by those who view this problem without the necessary scientific detachment that such a dynamic system should be neutralised into stable couples as quickly as possible. This can be questioned, but we will assume this as a working hypothesis.

We must therefore achieve the following results:-

A. Any unit in a group must be forced into isolation.

A group must therefore be attacked by several men at once thus leaving no condensation nucleus.

B. The isolated unit must be brought into contact with one of the opposite charge.

This is normally done by the request for a dance. Other methods are known.

C. The unit must be neutralised and removed as soon as possible.

For optimum results, the two units must get close together for as long as practicable.

5. I will end with a plea for a more scientific approach to these problems: I have heard that some units attend in order to enjoy themselves. This should be strongly discouraged. G. A. V.

SPORTS NEWS

ROWING



One of the lesser known regattas but nevertheless enjoyable for those with a light frame of mind is the Richmond Boxing Day Charity Regatta.

Requirements for unofficial entry are simply turning up at Richmond the morning after the celebrations. Enough IC oarsmen to make up a scratch four, complete with cox and without a boat or oars, but simply equipped with a determination to win, were feeling sufficiently well to brave the cold, the sleet and the after effects to enter on the spot for the Allaway Cup fee 2/6 each.

Our opponents turned out to be Guys Hospital dressed up in pyjamas, dinner jackets and bowler hats - conforming to the latest ARA regulations - and all novices with one years experience. To make things interesting the IC stroke side and cox collaborated with Guys bow side, and the other crew was formed by the remainder including a lady cox whose nerves were admirably shattered by the proceedings.

Both crews boated with considerable ease and paddled upstream until out of sight of the crowd. Later the finishing line was crossed under the full blast of some rock'n'roll tune from the megaphones with the boats responding accurately to the rhythm.

The result would have been a dead heat were it not for a teeny-weeny little crab. Verdict: IC wins by $\frac{1}{4}$ length, by a majority vote of three to two. The prize: a commemorative pennant each, yellow for the winners, red for the losers.

Altogether a remarkable occasion. Thanks are due to Guys for the sporting spirit, the brain wave, and for spreading rumours as to the true winners.

SQUASH CLUB

The past President of the I.C. Squash Club, R.B.R. Wilson was again victorious in the Amateur Championships held recently at the Lansdowne Club.

Inspired by his example the I.C. Ist. V. met the White House V. with great determination on the 17th. January. However our skill could not catch that of our opponents and we were eclipsed by 4ties to 1. Our only victory coming from David Stevens who was in fine form. (He confessed that he had been practising hard during the vacation.)

RUGBY

The 1st. XV started the new term by beating the O.M.T.'s A 11-5. Conditions were ideal and a fast open game ensued. I.C. opened the scoring with a goal, the try being scored by P.Fawkes following a good run by C.Smith. Just before half-time O.M.T.'s scored a try and converted due to some poor tackling by the I.C. team.

The second half opened with a succession of forward rushes up and down the field and honours remained even. B.Hearn put I.C. ahead with a dropped goal and just before time, E.King, showing remarkable acceleration, scored an unconverted try. This was a satisfactory result, considering that several of the team were definitely worse for wear after the Carnival!

CROSS COUNTRY

The term's activities began with U.C.'s invitation race at Hampstead on Wednesday 16th Jan. I.C. came third, the race being won by U.C. with King's second. Collins ran well to finish second, less than a minute behind Gilligan of U.C. The rest of the team were evenly distributed throughout the field of 37 runners.

The first team returned in the early hours of Sunday morning from the arctic wilds of Yorkshire with two sleepless nights and another lost match to its credit! It was a team of bleary-eyed revellers who crawled or were dragged from their beds early on Saturday morning to pit their failing strength against Sheffield University and Hallamshire Harriers. The race was won by K. Wood of Olympic fame while the I.C. team packed well this time, filled the last five places as well as the 8th (Briggs) 9th (Wood) and 11th (Frazer). May it be said that, at the hop afterwards, they were more successful.

A depleted second team of 4 men lost narrowly to Westminster College on their course on the 19th Jan.

MOUNTAINEERING CLUB

Four members of the Karakoram Expedition held a New Year's meet under canvas in Glencoe.

Despite several rainstorms, an interesting time was had. Bidean nam Bian and Buchaille teir Mar were climbed by pleasant snow and ice routes, and we helped a rescue party to bring down a fallen climber. New Year's Eve was celebrated in the Youth Hostel with the usual bawdy singing followed by a beer-party in the larger tent. Our second tent having been evacuated, as a result of a rainstorm, leaving a sodden mass of macaroni on the groundsheet. We proceeded home after a week in the mountains, determined to return at a drier time of the year.

I.C.W.S.C.

I.C.W.S.C. christened the new table-tennis room on 15th. Jan. with a 10-0 win over Q.M.C. 2nd. team.

SPORTS EDITORIAL

The idea that more sport is to be had in the bar than on the playing fields of Harlington is open to doubt. This matter could be put to the test by the addition of a pogo stick to the bar's already sumptuous equipment. Surely this is indubitably an instrument of sport worthy of the most truculent and redeutable of drinkers.

SOCCER

The club made a good start to the term programme when both first and second XIs won their league matches.

The first eleven, against Westminster College, lacked cohesion at the start, but gained confidence in the later stages, winning by 2-1. The goals were scored by Green and Sprunt.

The seconds overwhelmed Westminster 2nd., the final score being 9-1. On Saturday 19th. this score was almost repeated when Birkbeck 2nd. were beaten 9-2.

The second team are now leading this division of the league with a goal average of 44 for, and 10 against, having lost only one game.

On Saturday 19th. the 1st. eleven had a very enjoyable game against Old Chalmelians. After being 3-0 down in the second half I.C. fought back strongly, but in spite of goals by Weak and Sprunt we still lost 3-2.

SAILING CLUB

The team was narrowly beaten (39-38½) in a most enjoyable match against Hampton Sailing Club during the vacation.

The first heat was a close contest with M. Collier in the lead. Colin French followed but unfortunately was involved in a collision and had to retire.

With I.C. 1½ points behind in the first heat, the 2nd heat was sailed with a renewed vigour.

Though unable to catch the leading I.C. boat, the opposition secured 2nd and 3rd places, giving them a win by half a point.

The club looks forward to the return match (the first of its kind outside the universities) to be sailed in the 14ft Merlin-Rocket class dinghies owned by the Hampton Sailing Club.

DARTS

by Darts correspondent B.Oggi.

I.C. avenged their 5-0 defeat by the Nelson before Christmas by winning 4-1 at home last Thursday. A 5-0 defeat with one pint per head per game as a side stake is a very expensive sport, so the return game began in an atmosphere of some apprehension. Kitch (Capt.) won the first game for I.C. with a magnificent, if somewhat fortuitous, double 4. Fortified by hardwon pints, I.C. went from strength to strength, and a double 10 by Tom Banks made it 2-0. After this memory becomes a little hazy, but a good time was had by all, and the bitter fruits of victory tasted good!