



Founded in 1949

The Newspaper of Imperial College Union

MINERS MINUS MASCOT

In a daring night-time raid on the Mines Building on Tuesday night, the RCS mascotry group succeeded in violating Davy, the Mines mascot.

At a press conference called at 1:30am on Wednesday morning, Rich Archer issued the following statement.

"Following discreet observation at the Royal School of Mines Election UGM last Tuesday, the location of the Mines mascot, Davy, was ascertained by the Royal College of Science Union mascotry team, otherwise known as Montysoc. Later that night, the location was visited by the RCS team, and the mascot was removed from the building with negligible damage. Afterwards, it was whisked away to a secret destination. Ransom details will be issued to the Royal School of Mines Union next term.

Have a nice Davy.

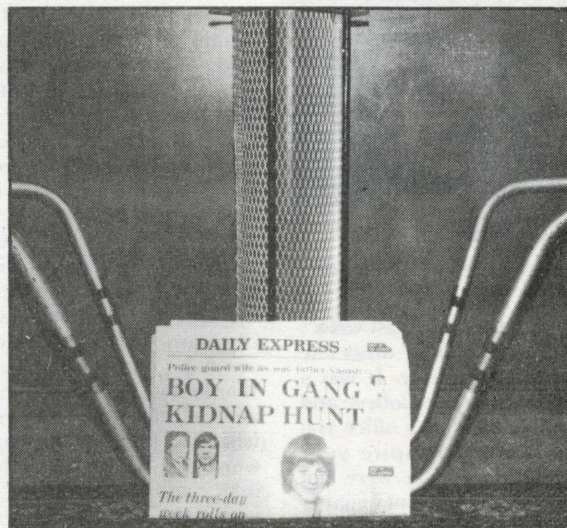
Rich Archer and Paul Johnson"

On Wednesday morning more information was given to FELIX by an anonymous team member.

For the last five years, there has been a substantial amount of research carried out by RCSU, observing Mines UGMs and picking up clues. After the Election UGM last Tuesday the team decided to make a raid that evening. A group of between five and ten people from the RCS Metal Collection and Appreciation Society affected an entry to a locker in a first floor room in the Mines Building (Davy was also taken from this location the last time it was violated by Guilds). The group went outside and placed Davy in the RCS J4, and it was removed to an undisclosed destination. The whole operation took only twelve minutes. On the way out, the group was spotted by night security, but no one remained to explain what was going on.

The Chief Security Officer, Mr Reeves, spoke to FELIX on Wednesday afternoon. He realised that violating Davy was probably the stunt of the year, but the students should have told the guard what was happening. Part of a security guard's job would be to apprehend people making off with brass fittings, he added. Students on this kind of stunt should think more about the consequences of their actions.

Mines Union have not at this stage, made any official comment to FELIX, although rumours have been circulated suggesting RCSU have got the wrong Davy. RCSU deny this resolutely.



Davy's forerunner, Davy pictured with a newspaper the last time it was violated, in 1974. This is the first time that the present Davy has been violated.

Cunning Stunts

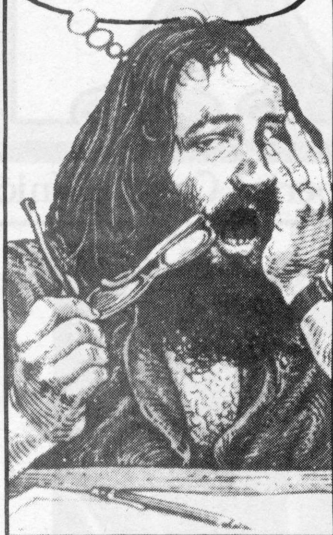
The relationship between IC and Chelsea has deteriorated since IC pulled out of NUS and Chelsea broke off the reciprocal arrangements. Last week, students had tried to kidnap Rae Snee, but were trounced by Ms Snee, and a companion. On Thursday evening students arrived at IC Radio's studios beneath Southside. Claiming to be on a Chelsea rag stunt, they occupied the studio and tried to get "on the air". Fortunately, the Station Manager, Dave Fuller, was able to take the station off the air so as to stop listeners being offended by crudities from non-IC students. College security and police arrived to remove the invaders from the premises.

On Friday afternoon students arrived at the Guilds Union Office, claiming to be on a rag stunt from Barts. They untruthfully said there was a skirmish between Guilds and Barts students outside. Mr Gayer was accompanied outside by Guilds persons (who outnumbered the Chelsea/QEC raggers) when he went to investigate. Outside was a van, into which it had been intended to bundle Dave. But for the Guilds stalwarts it seems likely Dave would have been 'nabbed'.

At the same time as this, yet more students on a rag stunt arrived at the RCSU Office intending to remove Barney McCabe and Phil Thomas. They firstly asked for some signs from the RCSU Office but these were refused. Then the two victims were taken outside and put in a red transit van.

They were taken to Chelsea and then to QEC. Steve Tyson, RCS Hon Sec, telephoned QEC to explain that a "ransom" would not be paid. After this, Messrs McCabe and Thomas were locked in a downstairs room at QEC. However, there was another exit from the room, namely an unlocked door which they were told not to try. It did not take long for the intrepid two to figure out an escape and return to IC in a taxi. QEC had intended to publicly humiliate the IC students on Saturday's joint QEC/Chelsea rag procession to end their rag week. The tables were successfully turned however, when a group of IC students arrived at the procession and pelted everyone with 15lbs of flour. Hip! Hip!

Letters to the Editor



Sir

I was disgusted with last week's FELIX (no 580) and dissociate myself from it entirely. It was a disgrace to the whole College and brought shame on the office you bear as Editor. Despite your persistent efforts, you were not elected to drag our newspaper down to all-time low standards, regardless of whether these standards are your own: you were elected to be Editor to the "newspaper of Imperial College Union".

In your editorial last week you expressed the belief that "the majority of students enjoy reading the kind of FELIX (you) enjoy producing" — you were obviously neglecting your capacity to offend the decency of most people when selecting the front cover. You also seem to have "forgotten" the outrage, hurt and infuriation you have purposely caused in past issues. It seems to have been your policy to cause sensations of the most distasteful kind, without any regard to the means employed and, in particular, to the persons maligned.

I sincerely hope that your successor pursues a more satisfactory editorial policy, which, under the regrettable circumstances, could hardly be difficult. I also trust that he may be able to repair some of the substantial damage you have caused during your unfortunate tenure of office.

Tony Leech
Mat Sci PG

Sir

The irony of your headline over such a disgusting picture (FELIX 580) only reinforces evidence that if FELIX had any credibility left within IC or the public at large after recent editorials, it has surely vanished

now.

Even if the CND campaign successfully removed all weapons from the face of the earth, Britain will eventually cripple itself with its immorality and godlessness. Many countries survive war — but none survive once gripped by immorality. Mary Whitehouse is a courageous, and far-sighted lady. She has courage which puts many men to shame.

The Bible says "The fear of God is the beginning of wisdom", and Mary Whitehouse is a wise lady indeed. She often stands alone in her fight to keep filth out of the media and though she will be ridiculed by mankind, she is certain of commendation from God: "if you suffer as a Christian, do not be ashamed, but praise God that you bear that Name. For it is time for judgement to begin with the family of God; and if it begins with us, what will the outcome be far those who do not obey the Gospel of God?"

The fool will say in his heart "there is no God" so that he can indulge in immorality. The Christian, however, has a glorious hope and purpose in living. We do not place ourselves above anyone else, but we proclaim what we know to be true. The word of God is the truth about man, and I personally believe and stake my life on what He says, from Genesis, to Revelations.

D R Morris
Civ Eng PG

Sir

I would like to make it clear that I am not the author of the letter from Eric the Mutilated Camel in last week's FELIX. I am neither artiodactyl nor mutilated, and though I am known as "Eric", it is merely a nickname, hence the quotation marks. I agree with the contents of the letter and was revolted by the ill-informed, malicious and dare I say, unchristian attack made on Mr Marshall by that retromingent, semi-sentient, simian David Vinnegar. Despite this I do not believe in filling FELIX's letters page with abuse, even on subjects as tempting as ignorant and long winded as Dennis Vinnegar.

I do not like people leaning out of Linstead Extension windows accusing me of writing such trivial, abusive and tedious drivel and so, I repeat, I am not Eric the Mutilated Camel.

I am Sir,

Your obedient servant
E Jarvis — only (23).

Dear Steve

I would like to use your columns to reply to the accusations levelled at me by the Labour Club in last week's FELIX. In reply to Mr R Alexander and Mr Gunawar-

dena's letter, I would like to point out that I do know what I said. The topic of debate with Mr Price was whether to send talented children to special schools or comprehensives which, I said, "would reduce them to the level of simian morons like you" (and I have at least one other witness to bear me out on this). I can only conclude that you either genuinely misheard what I said at the time or that you have deliberately chosen to misquote me. In the former case, I will apologise to you for any offence caused with the proviso that you apologise firstly for the libellous comments that you wrote last week. In the latter case, all I can advise you to do is 'Go forth and multiply' in half as many words.

Concerning Mr Kellerman's letter I would like to state firstly that I am not a Tory propagandist. Secondly, the report was not a criticism of the Labour Club but rather a comment on the speaker — had Mr Carlisle chosen to make the numerous rash comments that his counterpart made, I would not have hesitated in criticizing him. I do feel however that the report was too subjective and my apologies to anyone who found the humour in anyway distasteful.

Yours sincerely
A J Amrolia
Physics 1

PS: Now that you know my surname, you might as well know that my friends call me Zar but you can call me Mr Amrolia, Gunawardena

Dear Sir

With reference to Mr Bedding's letter last week (FELIX 580). I would like to thank him for conceding that his article was a subjective report — it would have been worrying had he claimed his opinions were the true facts.

The point of his letter appeared to be that "Bir Zeit's existence is being threatened" by the Israelis. This statement, coming from someone aware of the facts, amazes me. As Mr Bedding is well aware (I'm assuming he was at the meeting his original article advertised) Bir Zeit and the other three universities on the West Bank were created by the Israeli Parliament. Surely the setting up of educational institutions such as these is an act of peace in itself and therefore could not be considered the action of a hostile government. The answer is self-evident.

Yours sincerely
Jonathan M Miller

Dear Comrade Editor

Once again I see the Campaign for National Disaster (CND) has been rearing its ugly head on your pages. This disgusted, or perhaps disgusting

comrade has obviously never left the lower echelon of the Physics department.

Does he seriously believe that the enormous Soviet presence/ domination in Eastern Europe is purely decorative, and that the Soviet invasion of Afghanistan was purely a Christmas present for President Brezhnev.

The Soviet threat, comrades, is there and real, and we must fight to contain it. Our freedom is more important than the ego trips of various politicians who would probably state that the USA was a greater enemy to democracy than the USSR just to gain a bit of cheap publicity.

We must fight hard against these individuals who wish to rob us of our national pride and identity. Freedom, comrades, is the only thing worth fighting for.

No surrender

Comrade Bill the Mole

Dear Sir

The final section of your editorial last week left me with a cold feeling in my stomach. Being quite sure that you would not publish information which you knew to be untrue, I can only assume that you have hired a group of people to follow me about and monitor my movements from day to day. I used to leave the curtains in my room open most of the time, but it seems this will have to change. But, Steve I'm afraid your team of private detectives has passed you something less than the truth. I have spent some fifteen hours of my time on writing things for *The Phoenix* this term alone, and the lack of said material in the editor's hands is due to self-criticism. Self-criticism is not of course a subject I would expect you to know much about.

Yours sincerely
K C Mann

Ed's Note

Dear Ken, accept my apologies, I have maligned you.

Please, in future, apply the same self-criticism to SF Soc articles written for FELIX. Thank you.

Dear Sir

Re your editorial, FELIX 580. If you consult IC Handbook 1980/1 (editor R D Crabbe) page 6, col 1 you will find the following reference: "22. RCS social club. Elected membership".

Yours

Laurence Mountebank
PS: Commiserations to Rich Archer.

Ed's Note

Well Done! I was, of course, referring to the Royal College of Science Handbook.

Small Ads

●1 Nakamichi 410 pre-amp £150; 1 Lecson AP3 Power-amp £176; 1 Lecson APIX power-amp £120. Phone 521 8531 after 7:00pm (can be delivered to South Kensington area).

●Dawes Supergalaxy touring bicycle, 23 1/2" frame, good condition, £150. Contact S Godsi, Man Sci PG.

●Sharp GF9191 stereo portable radio-cassette recorder, very good condition, £130. Contact M Prew, Man Sci PG.

●Yamaha RD200, May 1979, 7000 miles, carrier and top box, crash bars, good condition, just serviced £390.00. Contact A Topham, Physics 3.

●Unclaimed property after Gaysoc Meeting — Contact B Stevens, 56 Weeks Hall.

●PG Easter Party, Friday, March 27, Union Lower Refectory, 8:00pm till late. Tickets 50p from Union Office or Committee members.

●Baha'i Society AGM, 1:00pm, Friday, March 20, Union Lounge.

●IC Christian Union Meeting, 6:00pm, Friday, March 20, Music Room, 53 Princes Gate.

●Jackie Gerbil: You can come and nibble my nuts any time — Hammy Hamster.

●BE1 — Happy Easter. Revise your spelling over the holidays — wollen, Millet T, Russell, SCARF (not face). The Man in the Wollen Scarf.

●Stephen Harrison (BE1) Psycho of the Week Award — Nigel Simmons. Plaque to be mended and engraved.

●BE1/DNW Wimp of the Term (Results) 1st Dave (Waitrose-Bag) Perkins — 4 votes

2nd Brendan (It's the one I bought yesterday) Smith — 25 votes

3rd Paul (Normal) Adams — 6,000,752

●Nick Morton: Congratulations on becoming President — Bernard Sunley. Any hassles from minnions? Then, contact Luigi's Hit Squad in House 44.

●Mike: Voucher is still valid; when are you going to use it? Love Andy.

●Alison: Happy Birthday for next Monday. Love from an anonymous admirer.

●BE1 (DNW?) Turd of the Term: Chainsaw Smith.

●Been at IC over eighty years? IC Octogenarian Society is holding an inaugural apricot jam and parkin evening. Contact John Dickinson, Mech Eng PG.

●Go on SAFARI three weeks in Ireland over Easter, featuring Zebra hunting and Gannet baiting. No previous experience required; but singing baritone in Berkshire would be an advantage. Sponsored by Dunlop Team Wellies and Geology 2.

●James Squawk Gray sorry I couldn't think of a good advert, better luck next term John.

●Melissa: "Rubber glove and cup of coffee". It's really not a good enough explanation. We will get to the bottom of this. As for a Queensbury Place Watergate — we've got it taped and on film! pp J Edgar Hoover.

●Nick: Sorry the rubber couldn't stand Rod's test. Better luck next time — M.

●Nick Cox: Chem Eng 1, Falmouth 324. It was so nice sleeping naked next to you last Saturday. "Deviancy" is contagious. We must do it again sometime. Passionate love and SMOOCHY kisses — Evita XXX.

●Darling Nick: Your rubber is much better now it's been cut, pity it dribbles — Love M.

●Six Million Dollar Mat when did you last change your socks? It's time to do it again anyway — Coffee Machine.

●Brian the snail went to Hyde Park To play a football game, He sat in the mud Right up to his..... And never went there again!

Love Mel

●Technics 616 cassette deck £70. Excellent condition. Contact CS Quah, int 3566 or ME310.

●Rag Masked Party, 8:00pm, Friday, March 20, JCR, Disco. Bar til 2:00am.

●America — Want to work and travel in the US and Canada next summer? For details of job schemes and work visas contact BUNAC, Green Comm Room, 3rd floor Union, on Friday lunchtime.

Council Report

ICU Council had a turgid and acrimonious meeting on Monday evening. The meeting discussed FELIX finances, OSC finances, the Union response to Swinnerton Dyer, and a motion of criticism in the three sabbatical officers.

The meeting opened shortly after 6:00pm, and under matters arising from the minutes of the last meeting, John Passmore suggested that an editorial remark in FELIX suggesting that the affiliation to WUS was unconstitutional was incorrect. Jon Firth, Publications Board Chairman, outlined some of the reasons offered for FELIX expenditure during the year.

The Deputy President stated that the HOST library will stay in the same place as before. On London Student Travel, she outlined proposals from the non-student directors to remove the student directors from the Board.

In the Hon Sec's report it was suggested that the ballot papers in single transferable vote elections should contain voting instructions. The Hon Sec mentioned a film "Not Tonight", which illustrates some problems of students would be shown if enough interest developed in it.

The OSC Chairman's report was referred back, and a full breakdown financial situation (£200 in the red) was asked for.

The meeting then discussed a motion to Council from Publications Board which criticised the Deputy President, Rachel Snee. Mark Smith, FELIX Editor-elect, spoke to the motion, which was in reply to a previous motion at the last Council which condemned "in the strongest possible terms" the way money had been misspent by FELIX staff, on office furnishings, refreshments and Conference fees. The motion was discussed thoroughly, with contributions coming in particular from Mark Clegg. Rae Snee spoke against the motion, and defended her action at the last Council. The whole matter revolved around, firstly, the Editor sanctioning payment for equipment during the summer and at other times, without proceeding through the correct channels, and secondly, the Deputy President bringing the matter to Council's attention when it should have been dealt with in the committee of first instance, namely Publications Board, and without informing the accused of the original Council motion so they could be present to advocate their side of the case. The motion criticising Rae Snee was passed. (*The original motion put to Council by Rae Snee was not reported in FELIX as Mark Smith had complained to the Elections Committee that it biased the election* — Ed.)

Mark Clegg, presenting the PWP report, said they were looking into having a woman's rep on PWP. Barney McCabe suggested a Gaysoc rep and a yellow trousers rep, but after discussion from Mr Clegg Mr McCabe revealed that he had not been quite serious in his suggestion.

PWP was also looking into student representation on Joint College Committees.

The meeting went into closed session. When it was reopened to observers, it was agreed to ask the Handbook Editor to extend the copy deadline to the end of the first week of term.

In answer to a question, John Passmore said that he expected bar prices to remain down until next term.

The meeting then discussed the Union's response to the Swinnerton-Dyer report and asked for a redrafting of a statement presented to Council.

When everyone thought the meeting was drawing to a close, Bob Bradley, Academic Affairs Officer, proposed a motion of censure in this year's three sabbatical officers, for not bringing next year's estimates to Council's attention before they were submitted to College. Rae Snee had left the meeting, John Passmore felt he had done nothing wrong, and Liz Lindsay said it was policy not to photocopy more than twenty sheets of anything. Nick Morton, ICU President-elect, said he would resign if he was placed in a similar situation next year. Jen Hardy-Smith said it would mean more work for the permanent staff, if the full estimates were presented at the meeting. It was emphasised that the estimates were updated as recently as Friday, with the additional further claims. Mr Bradley, who referred to the ICU Blue Book during his submissions, altered the motion to one of reprimand. The meeting voted 7-11 not to pass the motion. After further minor points, the unsettled meeting closed.

Informed sources told FELIX Monday night that Miss Lindsay later said she would have resigned if the original motion had been carried.

as the ex-diplomat involved in the paedophile case.

FELIX and *Private Eye* named Sir Peter as long ago as January 16. He is a governor of a student residence where a number of IC students reside.

Hayman Named

Sir Peter Hayman, RCMS, CVO, MBE, was named yesterday in a Parliamentary Question

170 Picket

A PICKET of Governing Body was held outside 170 Queensgate, the Rector's residence, last Friday morning. About twenty students were present to hand out leaflets to College Governors before the meeting concerning South African students on the nuclear fuels technology course.

Students on the picket told FELIX that a member of the Governing Body told the students that there may well have been more support for them amongst the Governors than would have been shown on any voting. The issue of South African students on the course is likely to come up again at Board of Studies on May 6, and a petition to be presented to the Board. (A petition form will be available from Kevin Courtney, Physics PG or the Union Office.)

Song Sung Blue

BARNEY McCABE, ICU's multitalented Deputy President-elect, had one of his songs, *Brontosaurus Blues*, performed in a musical evening in 53 Princes Gate last Friday. The song, a catchy unaccompanied SATB* with male lead ditty, was well received, and Mr McCabe was pleased with the World Premiere performance. However, he did not mention any plans to go professional as a songwriter.

Brontosaurus Blues will be published for the first time in *The Phoenix* which will be on sale next term.

*Soprano, Alto, Tenor, Bass.

Man v Machine

ON TUESDAY, March 10, seven members of the Chess Club took on seven electronic opponents: NASCOM, Pets and the College main-frame.

Two of the computers, perhaps rather shy of their first public appearance didn't want to start; M McCall's opponent, a rather temperamental Nascom, twice suffered from a nervous breakdown during mid-game. The computer on board 1 lost to a blindfolded player in twelve moves, whilst the College CDC lost its queen and rook in 8.

"They're crap!" Captain of of the magnificent seven commented after inflicting a crushing 13:1 defeat on the computers.

The only person to lose was playing blindfolded and was two pieces up when he resigned out of boredom.

When FELIX asked the Micro-computing Club about this abysmal failure, the only replies received were "well, mine didn't work", "ah come on!" and "just wait till next time".

Preamble

Welcome to the Easter puzzle extravaganza! Steve asked me to make it topical, with lots of eggscruating puns, so how could I refuse?

As with the Christmas issue, the unmarked puzzles are for amusement only, whereas the sworded ones each have a £2 prize, awarded for the correct solution randomly selected at 1:00pm on Wednesday April 29th. In addition for the person who answers most prize puzzles correctly, there is a cash bonus of £2, plus a £10 voucher redeemable at Mend-a-Bike. Many thanks to Pete and Will, the managers of Mend-a-Bike, for their generosity in giving this prize.

Thanks too to Grey Spider for the chess puzzle (again) and to a new contributor, JAIT, for the cross-number.

Sorry about the 'catch' in last week's puzzle, but I thought that as it's getting on for April 1st, I should be allowed a few liberties. You can rest assured that there's nothing as sneaky as that in this batch.

Because this page is going to press before the competition deadline, the winner's name is in Steve's editorial (if he remembers).

Answers to sworded puzzles, as usual, to me c/o FELIX Office. The correct solutions to all the puzzles will appear in the first FELIX of next term.

Finally good luck with the puzzles, enjoy a relaxing Passiontide, and may your egg-cup run over.

Scaramouche.

†Playfair Square

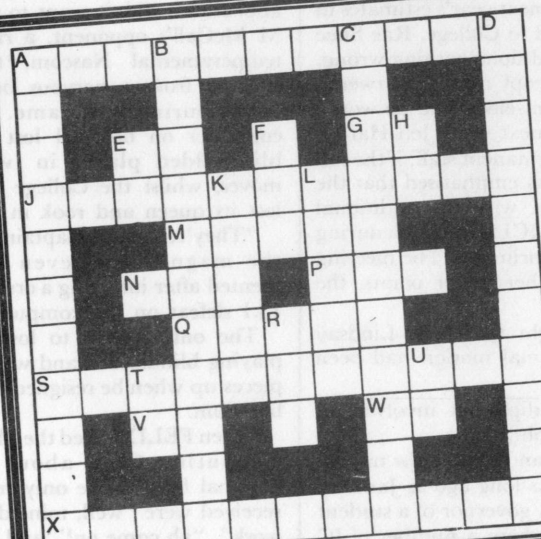
In a Playfair wordsquare, the codeword (in which no letter recurs) is followed by the remaining letters of the alphabet, with I doing duty for both I and J.

L I N S T
E A D B C
F G H K M
O P Q R U
V W X Y Z

To encode a phrase, split it into pairs of letters, thus: CA PT AI NL IN DL EY. Each pair is then seen as the diagonally opposite corners of a rectangle in the wordsquare. The coded form comes from the other two corners of that rectangle, the first letter of the coded pair being in the same row as the first letter of the original pair. So PT becomes UI and not IU which would come from TP.

If a pair of letters are in the same row or column, the coded form is produced by the letters immediately to the right or below the originals respectively. For the last letters in a row or column, use the first of the same row or column. When all the pairs are encoded, the original spacing is restored, thus: EDUIGAS INSENBV.

Now a different codeword (which would make a timely suggestion for a nature lover) encodes the phrase A HAPPY EASTER as T WPBIV BCRWDI. What is that codeword?



The clock can only have been made slow by the power cut, so the first time check must have come after 6:00am. Fifty minutes later, the reflected clock will appear an hour and forty minutes slow irrespective of the time of the first time check.

But the third time check presents a problem, since the reflected clock is already an hour and forty minutes slow and appears to be running backwards. So it seems that it cannot appear fifty minutes slow until 12:25 and the conditions imposed make this impossible, when still, as Sherlock Holmes observed, whatever you have eliminated is impossible, must be the remains, however improbable, which I remain. (The italics are his.) And in my experience, nearly all modern, electric, bedside clocks (excepting teasmades, which are carefully excluded) are digital clocks.

And from here it's downhill all the way — in both senses of that phrase. The first time check running fifty minutes slow. The first time came at 11:01, with the clock showing 10:11. The second was at 11:51, with the clock showing 11:01 reflected as 10:11. Thus at 12:15 the clock shows 11:11. This would lead to a Commiserations with those who were fooled, and also to those who woke me up one minute early, at 11:00. This would lead to a second solution if digital clocks showed eleven minutes past midnight as 00:11, but (again in my experience) they all show it as 0:11.

Last Week's Solution

Chance Chess

Bumble is about to play Amble in the final of the Primelia College chess championship, and since Amble is a stronger player than he, he has been considering his best strategy rather carefully.

If he plays a conservative game, using only openings and attacks that have been thoroughly analysed, then he will lose with probability 10% and draw with probability 90%. On the other hand, if he plays a daring game, trying out lines which neither of them are sure of, he will lose with probability 55% and win with probability 45%. So in either case Bumble will finish ten games down (on average) for every hundred games he plays.

Now in the competition, he has to play Amble twice. If these two games do not decide a clear winner, then they will play a third game as a decider. If this too is a draw, then they play a fourth game, and so on until one of them wins. What is Bumble's best strategy for the competition, and what is his chance of winning?

†Binary Crossnumber

The answer to each clue is a binary number. Where the clue letter applies both to a horizontal and a vertical number, the answer is the same in each case. All numbers are positive integers with no leading zeros.

- | | |
|-----------------------------|--|
| A = S + 8F | N < F |
| B is even and > D | P = U + 1 |
| C = (M - P) x (L - K)² | Q < L |
| D = C + (2F)² + (P x N) - V | R = √(P² + (N - H + U)²) |
| E = Q - (R x N) | S has the same number of zeros as J but one less than B. |
| F > N | T = G |
| G = T | U = W |
| H = K - M | V = H |
| J = X + F² | W = U |
| K = (F² - N²) + F + P | X < A |
| L > K | |
| M = (Q + (H x G)) - 2N | |

Pirate Radio

A number of people on the Pacific island of San Felix have been getting increasingly irate at the the current military regime headed by the dictator General Reischenschein; in particular they object to his monopoly of broadcasting on the island.

So the General has agreed to allow other broadcasting companies to start transmission on the island. Naturally there are strings attached.

You see, the General is worried that the six people who have applied for broadcasting licences will use radio transmission to plot to overthrow him. So he has stipulated that each of the six must broadcast a signal which is strong enough to be monitored from the existing National Radio Headquarters, but which is not strong enough to be received at any of the other transmitters.

The General is hoping that these restrictions will make it impossible for the would-be broadcasters to find suitable sites for their transmitters. Can you say whether he is justified in this hope?

†Eggheads

On Easter Monday every year the maths staff at Primelia hold a seven-a-side football tournament. It's always an entertaining event, with elderly lecturers looking as though they are entering a knobbly knees contest rather than competing for the much-coveted Hayman egg-cup; so I thought I'd wander along to the maths department and find out how the teams were shaping up.

I soon found out that all the footballers are either pure maths department and always speak the truth, or applied mathematicians, who always lie ('approximate'). Also, they all have consecutively numbered rooms (not necessarily starting with 1) on the same corridor.

Since each would say he was a pure mathematician, I cunningly asked the first lecturer about the man at the opposite end of the corridor, and then I worked my way along asking each man the status of the previous one. Oddly enough, all those with office numbers divisible by 3 answered 'applied' and the rest 'pure'.

Having reached the end I was irritated to discover that I had forgotten to count how many lecturers I had interviewed. I estimated the number as being between 45 and 80, but to find out exactly I asked again at the last three offices I had visited. The answers I received (in no particular order) were '56', '63', and 'less than 65'.

How many staff are taking part in the tournament?

Magic

8	3	4
1	5	9
6	7	2

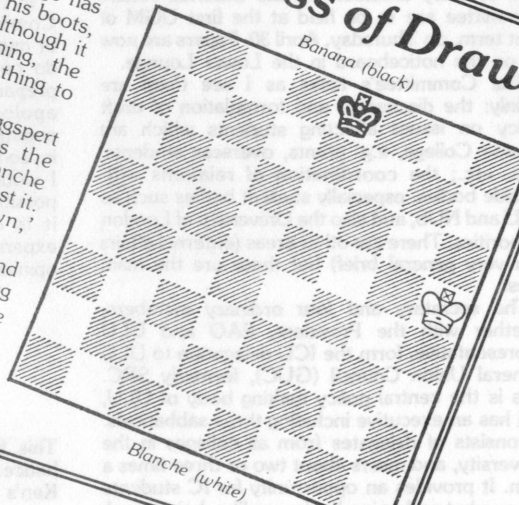
I am sure that most, if not all, readers of this column will have come across the concept of a 'magic square' but for those who haven't, I will explain. A magic square is simply a square of numbers in which every row, column, and both diagonals all sum to the same total.

The example above is probably the best known magic square; it is easy to verify that all the lines sum to fifteen.

Now this puzzle asks for something new; can you devise a 3x3 square in which the rows and columns all have the same product? Of course, the nine numbers must be different positive integers.

An object is in motion through a stationary medium. If the surrounding medium were absent, the object would continue moving indefinitely at the same speed. However, because of the energy lost as friction with the medium, the object speeds up. Explain.

†Chess of Draws



And for those of you who thought you had escaped him this term... Wodge has been getting wildly excited over his new Banana microcomputer. Like all micros, it has its limitations, but Wodge has already got it washing up, cleaning his boots, mending his bike, and so on, and although it burns the toast every single morning, the consensus is that it is a worthwhile thing to have around the home.

Naturally, it plays a thoroughly ineggsper game of chess. The diagram shows the position just after Wodge's daughter Blanche had played the final move in a game against it. 'Must be the first game it's drawn,' commented Wodge.

'I think you're right,' agreed Blanche. 'Mind to do when it made its last move. I would have mated it in one'.

What was the position before the computer last moved, and what did Blanche expect it to do?

A quick general knowledge question: of the nine known planets in the solar system, which is the furthest from the sun?

Anti-Apartheid

IN RESPONSE to an overwhelming vote at an IC UGM and following pressure from the Association of University Teachers, the meeting of the Board of Governors at the end of last term discussed the admission of South African students to the MSc course in Nuclear Fuels Technology. Under pressure from the Rector, the meeting decided to continue the present policy of admitting South African students. Earlier this term, representative groups from AUT and ICU (including John Passmore) were invited to discuss with the Rector his objections to their proposals.

Briefly, these were:

1. The Nuclear Technology course is not directly applicable to the production of nuclear weapons.

2. The exclusion of students from any course was an infringement of academic freedom.

3. Exclusions of students from a course at IC would only send them elsewhere and would not really affect South Africa's progress towards the bomb.

Our criticisms of these points may be summarised as follows:

1. This course inevitably has a close connection with nuclear industry, and associated techniques will be adapted for the production of weapons grade fuel — and expertise thus provided to South Africa will be a real encouragement towards the development of the apartheid bomb.

2. The anti-apartheid movement has details of plans made by the South African government for detonation of nuclear explosions within South Africa aimed at areas of black population.

3. South Africa is at present at war with neighbouring black states of Mozambique, Angola and Zambia and has stated that it is prepared to use extreme measures to maintain its security.

4. Academic freedom must be quantitative, and by supporting the security of the present South African regime we support the exclusion of a large majority of its population from the academic freedom that we expect.

5. IC has in its hands the means to demonstrate support for UN resolutions deploring nuclear collaboration with South Africa, and to have a real affect on the rate of nuclear arms proliferation (and hence world peace) and on an inhuman, racist and undemocratic regime.

Bob Hughes, MP, Chairman of the Anti-Apartheid Movement recently received a letter

from the United Nations Special Committee against Apartheid specifically on the subject of the IC's situation.

The letter expressed total support for the Anti-apartheid movement on this issue, and specifically commended both ICU and the IC branch of AUT "for demanding an end to the training of South African nuclear physicists".

The IC Anti-Apartheid Group intends to continue its campaign with a petition in College prior to a fresh approach to the Board of Governors and Board of Studies, and has prepared a form letter for individuals to send to their home MPs to encourage raising the question in the House of Commons.

Dear Mr Hughes

I have received your letter of 19 January 1981 concerning the actions of the Anti-Apartheid Movement (a) with respect to the advertisement in the Daily Telegraph by the Electricity Supply Commission of South Africa and the South African Atomic Energy Board for nuclear technicians and engineers; and (b) the training of South African nuclear physicist in reactor physics at Imperial College.

I believe that these advertisements and training courses raise issues of great magnitude.

Assistance to the racist regime in South Africa in the nuclear field is clearly a flagrant violation of numerous resolutions of the United Nations. It is, moreover, a hostile act against the oppressed majority in South Africa and, indeed, against all African states which have sought the denuclearization of Africa with a view to make their continent free from nuclear weapons. Arguments based on distinction between so-called "peaceful" and "military" developments are little more than sophistry since the Pretoria regime is feverishly trying to acquire nuclear weapon capability in defiance of appeals by the Western Powers themselves.

I am surprised that the United Kingdom Government has not taken action to stop all nuclear collaboration with South Africa. It was twenty years ago that the South African regime left the Commonwealth in order to continue racist domination without hindrance, and yet South Africa seems to continue to enjoy special privileges in many ways comparable, if not better, than she used to enjoy as a Member of the Commonwealth, to the detriment of the most vital interests of the South African people and the independent African States. One would have thought that Governments which profess concern for peaceful solutions and even oppose armed resistance by the oppressed people, would at least be scrupulous in denying assistance to the racist regime.

I am heartened by the commendable vigilance and actions of the Anti-Apartheid Movement to stop collaboration with South Africa. I would also like to commend, on behalf of the Special Committee against Apartheid, the Students' Union at Imperial College and the Imperial College Branch of the Association of University Teachers for demanding an end to the training of South African nuclear physicists.

I wish to assure you that the Special Committee will give utmost attention to the information provided by you with a view to further action.

Yours sincerely

B Akporode Clark

Chairman, Special Committee Against Apartheid

often the only major college to put forward pragmatic views. However, if you enjoy political debating then it can be fun, and it gives an opportunity to meet people from other colleges.

If you are interested in standing for the Committee then please ask either John Passmore or myself for further details. However, before you do consider it, please make sure that you are prepared to attend meetings (or at least send apologies). You cannot expect to sit on a committee without putting some time and effort in, so be prepared to do your bit. Having said that I would like to encourage as many people as possible to stand, it is a good 'first' Union post as it is often better to have had no previous experience and so be able to put forward a new opinion on things.

Martin Taylor
External Affairs Officer

SF Soc

This bulletin was not by Ken Mann and has hence been edited down as it did not come up to Ken's usual high standard.

There is a BSFA Meeting on Friday, March 20. Meet Hammersmith Tube 7:30pm (I'm sure you'll have a lot in common).

SPORT

Compiled by Phil Webb

Results

	P	W	D	L	GF	GA
IC Rugby						
1st	29	12	1	16	312	430
2nd	28	11	1	16	287	421
IC Football						
1st	21	16	3	2	63	20
2nd	20	17	2	1	85	21
3rd	20	7	4	9	31	37
4th	16	13	1	2	61	30
5th	15	13	2	0	69	12
6th	13	11	1	1	38	18
IC Hockey						
1st	33	23	3	7	103	43
2nd	15	9	0	6	39	24
3rd	12	5	3	4	22	21
RSM Football						
1st	17	11	0	6	49	41
2nd	12	9	0	3	47	19
Guilds Rugby						
	16	4	0	12	124	302
IC Basketball						
	6	1	0	5		
IC Squash						
1st	18	10	1	7	—	—
2nd	18	6	0	12	—	—
3rd	18	13	0	5	—	—
4th	2	1	0	1	—	—
Ladies	2	1	0	1	—	—
IC Fencing						
Foil	6	6	0	0	52	21
Epee	2	0	0	2	6	12
Table Tennis						
1st	15	12	0	3	—	—
2nd	16	11	0	5	—	—
3rd	13	7	0	6	—	—
4th	19	17	0	2	—	—
5th	16	4	0	12	—	—
IC Water Polo						
	12	6	3	3	61	37
IC Sailing						
	12	7	0	5	—	—

Badminton

MONDAY, March 9 saw a friendly match against Dublin University at IC. The match consisted of men's single and doubles, ladies' doubles and mixed, with mixed fortunes throughout. The men's doubles were drawn 3-3, and Wong won his singles game to go with a 100% record in the men's doubles partnered by Bull.

The ladies' doubles were rather less successful, losing 0-4, but not without a fight. The mixed doubles resulted in a 1-3 loss for IC, with Morris and Ions winning our only game.

Thus, a most enjoyable match and evening resulted in a 5-10 loss for IC.

SQUAD: Mitchell, Ridd, Horrocks, Ions, Cooper, Wong, Bull, Morris, Chiang, Williamson, Haegar.

External Affairs

THE ELECTIONS for the posts of secretary and four ordinary members of the External Affairs Committee are to be held at the first UGM of next term, on Thursday, April 30. Papers are now up on the noticeboard in the Lower Lounge.

The Committee's tasks as I see them are mainly: the discussion and formulation of draft policy on issues affecting students which are outside College, e.g. grants, overseas students' fees, etc.; the coordination of relations with outside bodies, especially student bodies such as ULU and NUS, and also the University of London authorities. There are other areas (external affairs is a very general brief) but these are the main ones.

The secretary and four ordinary members, together with the President, EAO and ULU Representative, form the ICU delegation to ULU General Union Council (GUC), formerly SRC. This is the central policy making body of ULU, and has an executive including three sabbaticals. It consists of delegates from all colleges in the University, and meets about two or three times a term. It provides an opportunity for IC students to see what real union hacks are like, being much more openly political than ICU. The IC delegation is often an 'oasis of reason amidst a desert of extremism', or put in a less literary way we are

In a year as Sports Editor I:

Edited as I saw fit, cutting out crudities and insults . . . and Christian names (!).

Questioned the antics of the Rugby Club and their free spending — and their annual "loss" of shirts.

Remember the hassle caused by the Captain of Volleyball concerning the new court — yet have received no articles from his Club all year.

Congratulate the Football Club on an amazingly successful season (five of their six teams winning their leagues) and the Hockey Club on the performance of their first team.

Thank all the clubs and individuals who have sent in articles, with special thanks to Jim Beer for his excellent reports.

Am Trying to find a Sports Editor for next session (see below).

IC Sailing Win Bradford Barrel

IC mustered their strongest team, calling on their ULSC sailors (Ajderian, Baxter, Lewis) to compete in the Bradford Barrel. This is a prestigious international event in which the invited universities compete for a barrel during two days of debauchery.

Being Friday 13 however, all was not well. A transport and monetary problem started the ball rolling. After a famous Bradford curry, the team returned in a merry spirit to discover that Ajderian's van had been stolen from the University car park. Five members' sailing gear, sleeping bags, etc., and vital coursework were taken with the van.

The first race against the Dutch team resulted in a procession in the light airs with Murray and the reserve Younghusband leading the pack. Baxter and Chadwick looked uncomfortable in second place as posing became very difficult in the becalmed conditions. Ajderian and Kennedy took third.

Lewis became a hero and sailed in all the other races, leading IC to five convincing victories out of five, in the freshening breeze.

Sunday started with most of the IC team joining the Chunder boat and a victory against Edinburgh. The 'biggie' was against Liverpool, which due to lack of concentration IC were marginally defeated. All was not lost as Salford beat Liverpool in the next race.

Everything hinged on the last race between IC and Salford. Lewis and Murray would have set up an excellent start had they not been too early, confusion led to Murray and Baxter restarting in fifth and sixth. Baxter and Chadwick produced some skilful tacking and with the aid of Lewis they sailed into first and second positions at the windward mark but just as easily lost it again. Salford took a green but were now winning on the water and were so, until Murray managed to slip into third place on the line following Lewis to give IC 2, 3, 4 and the Barrel.

The team would like to thank Bradford for putting on a splendid weekend and for helping us out with the kit. Our valueless team coach, Paul Burton and the Bradford curries also deserve a mention for providing so much entertainment.

TEAM: Ajderian, Baxter, Chadwick, Kennedy, Lewis, Murray. Reserve: Younghusband. Coach: Burton.

Ladies Rugby Win Plate

AT 8:00 on Sunday morning the intrepid ladies' rugby 14 set off for the Second Annual Loughborough Women's Rugby Tournament. Twelve teams took part, including Santa Monica, an American team who are currently touring England. We were unlucky to draw Santa Monica in the first round, when we were beaten 22-0. Santa Monica went on to win the Whitbread Trophy.

We were now in the plate competition, where we had a bye in the first round, and then played Keele in the semi-final. We were the dominant team throughout the match, winning almost all the set pieces. They defended well however and we could not quite break through to score. Andree was unlucky not to be awarded a try, when the touch judge thought she put her foot in touch just before grounding the ball in the corner. There was no score at the end, so the game had to be decided on place kicks, as they would not allow us to play extra time. Then some good kicking by Andree decided the match for us, taking us to the final of the plate.

In the final we met York, whose very strong pack gave us some trouble initially. However we all played very hard and soon began to dominate the match. Again we were unlucky not to score, and this match too was decided on place kicks, where Andree again converted the deciding goal, making IC the winners of the plate. Thanks must go to all who played and also to our very noisy supporters.

TEAM: Lois, Steph, Jane, Pam, Sara, Andree, Mary (Capt), Rad, Babs, Big Les, Helen, Cathy, Jenny, Ruth.

Basketball

BASKETBALL practices will be held in the first week of next term on Monday and Thursday. Make sure you're there; competition in second week.

Cricket

THE Cricket Club trials will be held on Wednesday, April 29 at Harlington. Those wishing to attend should sign the notice outside of the Union Bar.

We will, during the whole of next term, be running two XIs on a Wednesday and Saturday with a possible third XI if demand is sufficient. A Sunday XI will play during the whole of the summer, and although this is intended mainly for PGs is open to all club members. Anyone wishing to play on Sundays should contact Dr Dave Chadwick of Chemical Engineering.

Will anyone wishing to play at all next term, however infrequently, please fill in the availabilities chart on the noticeboard outside the Union Bar. This will make our team selections (Monday and Thursday lunch-times) much easier at a time when many people are not in College all of the time.

I hope that as many people as are able will find time to turn out and enable us to fulfil all of our fixtures during the busy exam season. Experience has shown that an afternoon playing cricket is an ideal way of keeping yourself from becoming totally bogged down by revision, etc.

So dig out your whites and bring them to College. Even if you only intend playing a couple of games, we will be glad to see you as the more people playing for the club the easier it is to fulfil our fixtures and keep the club going.

Martin Ellacott

Football Sixths

IC sixths team in only their second season of League football have won the 5R lower reserves league having only dropped three points and scored thirty-five goals.

Top of the goalscorers was Roche with a remarkable twenty goals including three hatricks. The Sixths were fortunate that Chamberlain's fiancée allowed him to play because he scored twelve goals. Although they only scored two goals each, Davis and Coussens created many chances with their runs down the right wing.

The Sixths had a settled midfield all season; Milner scored three goals, Gartside's fierce tackling and consistent effort earned him a regular place and Tinkler kept getting picked for no apparent reason but did manage to score two goals.

The defence were rarely troubled by the opposition. Higham dominated the right side of defence, Nagle's composure steadied the defence until his unfortunate leg injury, Maynard added his experience and tackling ability. Haberin defended well and managed to score twice, Davies even played when it was cold. The goalkeeper Hampton managed to shrug off his Scottish connections and produced some extremely vital saves.

Many thanks to the other players who played for the Sixths: Audin, Clegg, Martin, Caseau, Flynn and Hall.

Sailing

THE Sailing Club has enjoyed an active season, participating in the South East Universities League and a number of other events.

Unfortunately, it has not been possible to complete the League programme due to lack of time and our final position is likely to be affected. The team this year has consisted almost entirely of first years, and often losing nearly all the matches in the first term, our results this term have been much better.

In June, an IC team took part in the Colrairie 24-hour race, finishing third overall.

At the Firefly National Championships in September, three IC boats participated. Dave Derby finished first, Chris Lewis ninth, and James Baxter eighteenth in a fleet of 100.

In October the Firefly Inland Championships were held at the Welsh Harp, and four IC boats entered, with James Baxter gaining the highest position, fourth overall.

Our first team event was the Foot Trophy, also in October. The team did not fair particularly well, but gained much experience against strong opposition.

Perhaps the most important event this year has been the Castaways Cup, in which all the London colleges participate. Two IC teams entered, the first team winning the event, and the second team finishing fifth.

Sports Editor

IT IS normally the role of Vice-Chairman of ACC to act as Sports Editor. If there is anybody sufficiently interested in sport at IC rather than the organisation of ACC then next year's FELIX Editor, Mark Smith is more than keen for them to do the job.

I suspect that Mark's attitude will be the same as Steve Marshall's this year; that is, he is VERY keen for a sports section but not being interested in sport himself requires help.

If you are interested, drop into the FELIX Office and see me sometime or better still, come along to Falmouth 132 for a cup of coffee and I'll tell you what you're letting yourself in for.

Phil



Scaramouche Winner

Congratulations to J M Cowan, Elec Eng 1, who can collect his £5 cheque from the FELIX Office next term.

Ultra Vires Again

It seems Mr Passmore read my editorial last week — but unfortunately, he has missed the point. I should point out that affiliation to WUS (World University Service) is not Ultra Vires, as it is an "educational" organisation, which is allowed under the law. Mr Passmore suggested at ICU Council that I had suggested that affiliation to WUS was Ultra Vires; I admit that connotation could be placed on what I wrote but all I intended was to liken the WUS collections at UGMs to a possible collection for affiliation fee that would otherwise be Ultra Vires. It amazes me that Mr Passmore should read my editorial and only find that point worth commenting on. If he had read with the intelligence I realise we must have to obtain an honours degree he would know I was suggesting much more than that. Again, anything for the easy life and a little bitch at FELIX, eh John?

Thanks to . . .

Patrick, Martin, Andy, Phil, Tim, Shanne, Dave, Paul, Pallab, Steve, Zar, Ian and Maz. Happy Easter everyone. Good luck in your eggzams next term.

Intercollegiate Halls

For Men Only

Commonwealth Hall, Cartwright Gardens, London WC1H 9EB, 387 0311. Warden: R G Harris, BA. For 412 undergraduate and postgraduate students.

Connaught Hall, 41 Tavistock Square, WC1H 9EX, 387 6181. Warden: Professor DM Lang, MA, DLit. 195 students.

For Women Only

Canterbury Hall, Cartwright Gardens, WC1H 9EE, 387 5526. Warden: Verena McCririck, MA, LRAM. 222 students.

College Hall, Malet Street, WC1E 7HZ, 636 8982. Warden: Mrs H M Watt, JP, MA. 220 students.

Nutford House, Brown Street off George Street, London W1H 6AH—near Marble Arch, 262 4431. Warden: Christine Prince, BA. 190 students.

For Men And Women

Hughes Parry Hall, Cartwright Gardens, WC1H 9EF, 387 1477. Warden: P Throsby, PhD. 278 students.

International Hall, Brunswick Square, WC1N 1AS, 837 0746. Warden: C D Mann, MSc. 430 students of whom 215 are mainly overseas post-graduates.

For Postgraduate Men And Women

Lillian Penson Hall, Talbot Square, W2 1TT, 262 2081. Warden: KGT McDonnell, BSc (Econ), PhD. Full-time internal postgraduates only: Single people and married couples without children. Meals may be purchased in the dining room. Limited self-catering facilities. Private bathrooms. 502 places.

The closing date for applications by students already at the university is **April 30**. The mixed and postgraduate halls are applied to individually, while the single sex halls can be applied to by filling in one form with order of preference stated.

Address for obtaining an application form from Student Services, 15 Princes Gardens or UL Accommodation Office, 8 Princes Gardens.

Nightline Moves

NEWSFLASH: NIGHTLINE is moving during the Easter holidays from 10 Princes Gardens to the basement of 9 Princes Gardens.

Jo Student: "So what's that got to do with me?" Fred Bloggs: "Isn't that where you phone when you're just about to leap off Battersea Bridge?"

Well, contrary to popular belief, Nightline has a lot more to offer than that. We have heaps of information available, ranging from what time the last bus is, where a film is showing, where you can go for a meal at 2:00am, gay events, what's on in all the W London colleges, as well as information on contraception, VD, etc., etc., etc.

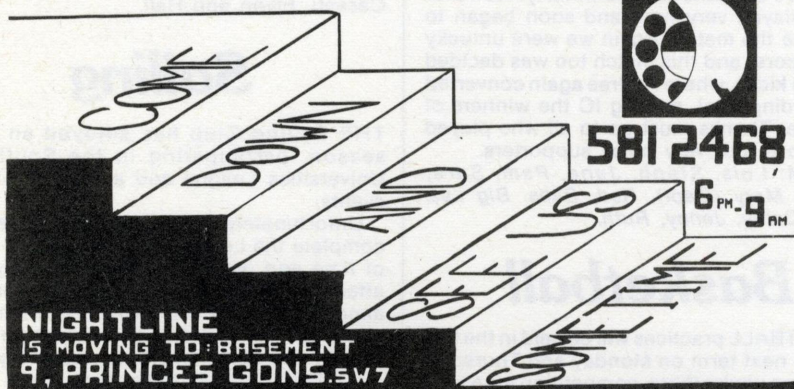
Nightline is run by students for students, and is open each night from 6:00pm to 9:00am, so why not drop down to "the basement" after Easter for a cup of coffee and a chat — we promise not to bite, preach or psychoanalyse and the coffee's even quite decent. Or, why not phone — the number remains the same as before — 581 2468 or internal 2468.

Each SU from the W London colleges help to finance Nightline, so why not get your money's worth?

Happy New Year

THE BAHAI Calendar consists of nineteen months, each of nineteen days, and an additional four days (or five days if it is a leap year) called Intercalary days. March 21 marks the beginning of the year and Baha'is all around the world celebrate this day.

IC Baha'i Society takes this opportunity to wish everyone a Happy New Year!



Bookshop News

You will all be pleased (?) to hear that all 1980 Exam Papers are now with the Heads of Departments and not sold by the Bookshop.

Mike Kidron, the author of *State of the World Atlas*, gave a very interesting talk on the background to his book last Friday and despite the small audience, he will be coming back during the autumn. The book is still available from the Bookshop, priced £5.95.



ON FRIDAY NIGHT there is a Rag Disguise Party in the JCR. Tickets are 50p each and are available in the Guilds Office.

Some time in the first two weeks of next term there will be IC Games — the annual inter-CCU sports competition. Anyone willing to run, hurdle, pole vault, throw things or spectate should be able to get more details in the Guilds Office. I'm sorry I can't give you a date or anything, but it has not been organised (at the time of writing).

By the way, Dave "Duncan Goodhew" Gayer's 21st birthday is on April 2, but he doesn't want anyone to know about it.

Andy

Croucher Foundation

The Croucher Foundation of Hong Kong proposes to award a limited number of Scholarships for postgraduate studies and research in science or technology tenable from October 1 1981 in an approved institution either in the United Kingdom or in Hong Kong. Candidates should be normally resident in Hong Kong but attending undergraduate courses in a British university and expecting to graduate in 1981. The Scholarships are intended to enable holders to proceed towards the degree of PhD and will be tenable in the first instance for one year, renewal for a further two years being dependent on a satisfactory progress report from the Scholar's supervisor; they will carry a stipend of £2,500pa payable quarterly in advance together with all necessary fees. A book allowance of £100 will be payable in the first year of tenure and at the conclusion of a Scholarship the cost of travel to Hong Kong will be met by the Foundation. Awards will be conditional on the candidate obtaining a 1st Class Honours Degree and being accepted as a postgraduate student in the university of his choice.

Further information and forms of application may be obtained from Lord Todd, OM, FRS, Christ's College, Cambridge, CB2 3BU, to whom completed forms should be returned by the head of the applicant's department not later than May 8 1981.