



Founded in 1949

The Newspaper of Imperial College Union

Ex-editor Colin Palmer slams CND movement and NUS in surprise bid for national Tory leadership

IMPERIAL COLLEGE delegate, Colin Palmer (last year's **FELIX** Editor) was one of the three candidates to stand for the post of Chairman of the Federation of Conservative Students at the FCS Conference held at Sheffield University over the Easter vacation. Former Chairmen include Edward Heath, Mark Carlisle and John Biffen.

Colin was given a tremendous reception as he slammed home his speech which is now reprinted below:

"As a student journalist I have had to write many reports of Union meetings and Conferences but this has been my first FCS Conference. I was shocked at the events that took place in this hall, yesterday.

"There was sloppy behaviour from the floor and from the platform. The attitude of the National Committee was poor. Several members casually wandered off the platform when MPs were speaking. We need to improve the image of the Annual FCS Conference.

Now I briefly discuss my views of the NUS. Those Colleges who have disaffiliated from the NUS should start a new National Union. Other Colleges will be encouraged to disaffiliate as they will at last have the opportunity to be members of a more representative National Union.

"Imperial College is not a member of the NUS and I have actively campaigned to keep it out of NUS.

"We are winning the nuclear debate. Nuclear power can be safely controlled. I believe most people at this conference are pro-nuclear except of course for those members of the CND. These are misguided idealists whose actions, if realised, would lead to the Russian occupation of this country.

continued on page 3



MINES MUST

RCS Union is demanding five hundred pounds for the safe return of Mines mascot "Davy", which RCSU violated at the end of last term. In a letter delivered last night to the RSMU President, Keith Maynard, details of the ransom demands were revealed.

In addition to the sum of money, which will be paid towards RCS Union's charity collection. Mines executive and others will have to perform some amusing tasks. The first of these, outlined in the letter involves the executive and "at least two complete rugby teams" who will have to spend this evening standing in front of Big Ben, holding a copy of this **FELIX** and today's *New Standard*. They must produce by 9.00am tomorrow morning, a set of photographs taken "every hour on the hour" showing themselves holding the papers and with the clock in the background.

If Mines refuse to accede to the demands



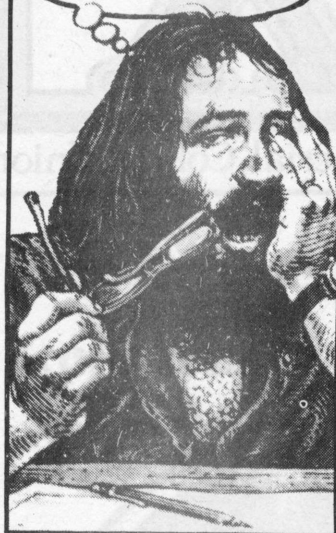
FIND BRASS

RCSU have threatened to sell Davy (which they regard as an oversized replica of a Davey lamp) to Cambourne School of Mines, long-standing rivals of the Royal School of Mines.

In the past, the unfortunate losers of mascots have had to follow a "treasure hunt", paying a sum of money for each "clue". In a statement, Paul Johnson, the VP of RCSU, who is responsible for the Union's mascotry, and it is rumoured, masterminded the whole plot to kidnap the lamp, said "We will be organising a treasure hunt as usual, but of course we have had to allow for inflation and today's high price of brass, I mean, Davy's worth £500 for scrap".

The only hope now for the bereaved Miners is to steal RCSU's as yet unviolated mascot "Theta" (a large thermometer), but that doesn't appear to be an easy task, especially as a large number of Miners will be committed to a photo-session at Westminster tonight, when RCSU will be bringing Theta to their annual dinner.

Letters to the Editor



Dear Sir

A motion was brought to the Results UGM towards the end of last term which asked that a prominent member of the Union should be thrown in a convenient expanse of water. This motion was backed by Mr Richard Archer, RCSU President and a vice-president of ICU, and Mr Barney McCabe, ICU Deputy President-elect. Two well-known people in this Union, two popular people whose views carry a lot of weight, because of the positions they hold or will hold, but also because of their own personal abilities and past deeds. This motion seems likely to be brought again.

Mr Cortazzi holds no such position. He is secretary of a political society, he writes letters to FELIX, and speaks at UGMs, and it is because of this last reason, because he says something at a Union meeting, that it has been proposed by these two people that he should be thrown into the Round Pond. What an incentive to taking part at a UGM, to free speech. Are we to understand that if our questions to the Executive next year are not phrased in the Queen's English, and do not come lightly tripping off the tongue with every nuance and final consonant correctly emphasised to resound throughout the Great Hall, that we will incur the Executive's displeasure, and from there it will be a short step to being soaked to the skin?

Being soaked to the skin is a treatment one normally associates with initiations, raft races, rag stunts and other activities which are automatically linked with CCUs. Those bodys like to think that their union meetings are

"fun" and this fun can often result in prominent people in the CCUs being punished or something similar by being drenched or covered with unsavoury materials. Messrs Archer and McCabe, who over the last three years have been active members of the RCSU now suggest that this treatment should be extended to others. In doing so they will usurp the role of these CCUs to amuse their membership, and lower the regard in which ICU general meetings are held, both by those who attend and those who do not.

I do not expect that Mr Cortazzi will of his own free will fling himself into any pond or bath, and I don't blame him. I don't think that Messrs Archer or McCabe expect him to do any such thing either, and they ask that he be *thrown* in. I suggest that what these two people really want is for Mr Cortazzi to keep quiet at Union meetings and to stop criticising. To that end they want a motion to be passed against him at "the sovereign body of the Union", (ICU) in the hope that he will shut up.

It will be disgraceful if this motion was to be discussed at such a meeting, and I call the proposers to withdraw it.

Firstly, if Mr Cortazzi is thrown against his will into or onto something, then whomsoever shall do so will commit the criminal offence of assault and battery.

Secondly, the Union bye-laws give the aims of the Union as "the encouragement of interest by students in matters outside the College curriculum especially cultural and athletic interests", and "the provision of a corporate body of students to represent and to safeguard and advance the interests and welfare of the Imperial College". I do not think that the intended treatment of Mr Cortazzi is defined specifically in these aims, and that it is therefore *ultra vires* the Union constitution. This is what is known as a civil wrong. It would be open to anyone in the Union to initiate civil proceedings against the Union: the Exec might be sued on their own behalf, and on behalf of the whole Union. Thus, if it was attempted to throw Mr Cortazzi in, the proposers of the motion, the Executive and anyone else involved with it would be liable to both criminal and civil proceedings.

Thirdly, there are those who seek to bring this Union into contempt in the eyes of other students particularly in London. *London Student* might well say "One of next year's sabbaticals at Imperial College is seeking to silence a Union member because

he does not like the tone of the member's voice". That will not be safeguarding or advancing the interest or welfare of this Union.

Fourthly, the concept that this motion or anything like it expresses is a disgraceful subjugation of the Doctrine of Freedom of Speech. Whilst it is not so that Freedom of Expression should permit one person to use an excessive amount of time or space to put forward any one view it is also not correct that someone should be threatened with violence if he dares to express a view at all. You may be wondering what Mr Cortazzi has done to deserve all this attention. (You will find the motion in *Executive News*.) He has expressed an unsatisfactory opinion of the Exec, and in particular John "Dogs of War" Passmore. He has spoken at UGMs on issues that he was interested in. He has tried to inject some humour into UGMs, something which is sorely needed, something that Mr McCabe himself thinks would be helpful. For this he has been subjected to public ridicule by Messrs Archer and McCabe, because he has dared to criticise.

It is shameful that Executive members should support this motion, and they will be canting hypocrites if they continue with it. If this is their attitude to criticism we might as well turn the Union into an Executive Dictatorship. They are seeking to deny the right of audience to an individual in view of a physical characteristic — the sound of his voice. That is called discrimination. They are seeking to punish someone for expressing a view contrary to that of those "in power" who, of which these two are good examples, have risen to the top becoming buoyant by putrefaction, rising as they rotted. That is called intolerance and tyranny.

This is a small point but an important one. If Messrs Archer and McCabe see the role of the executive as dictatorial, hypocritical and tyrannical they should say so clearly next Thursday. If they do not they should apologise to Mr Cortazzi and to the Union for having thought such a motion acceptable. This motion should be thrown out.

Yours faithfully
M Hayward
Civ Eng 1

Ed's Note

I have printed this letter as an exercise in concision.

Should Messrs McCabe and Archer wish to answer Mr Hayward's quite valid (I think) points, I would ask for brevity, without wishing to restrict the concept of free speech.

Small Ads

● **M Registration**, 3,500 miles, reliable solid car (Moskvitch) MOT, taxed, £250. R Serpell, Aero, int 3707.

● **One Nakamichi 410 pre-amp** £150; one Lecson AP3 power amp £176; one Lecson APIX power amp £120. Phone 521-8531 after 7:00pm. Can be delivered to South Ken area.

● **Springsteen tickets**: I have four tickets (£6) for Monday, June 1 and want to swap them for tickets on either May 29, 30 or June 4. Contact Tim Mitchell, Mech Eng letter-racks.

● **BBC Radio's The Jason Explanation** with David Jason, Sheila Steafel and Jon Glover will be recorded on Saturday, May 2 at the Paris Studio, Lower Regent Street. Doors open 7:15pm. Free tickets available from Jen in the Union Office.

● **Want to earn extra money?** I require street canvassers. Cash paid. Hours to suit. Phone Tim, 637-5698.

● **Wrist merchant?** Turn professional. Must be anti-social. Contact CROB on 3521.

● **Hit squad hits the Rector**: all contributions to Ruth, Guilds Union Office. Highest contributor does the dirty at Rag Fête.

● **Baseball**: Experienced players are desperately needed for a new team in the summer Southern League. Contact Dennis Creehan, Metallurgy B401, int 3388 or external (evenings) 837-3155.

● **Fight World Poverty Lobby**, Tuesday, May 5: Urge the Government to take positive action at the Mexico summit on Brandt. Phone WDM on 836-3672 for details or turn up at the House of Commons, 3:00-9:00pm on May 5, to see your MP and hear Michael Foot, Shirely Williams and others speaking at the lobby.

● **IC Day Nursery** is having a *jumble sale* on Friday, May 8 in the Consort Gallery between 10:00am and 2:00pm. Come and have fun.

● **Leo Easynob reveals missing link!** Leo Easynob (cruciverbalist, mooner and alcoholic) has at last relented. He is the composer of the £10 prize crossword in *The Phoenix 1981*, and (it is falsely rumoured) responsible for the omission of one of the clues. I can now reveal that the clue in question is:

Down

4. Reprinted with lost continuity (11). Sean Giblin, Phoenix Editor

PARACHUTE JUMPING

introductory meeting

Thursday, May 7

5:30pm

Union Dining Hall

IC Social Democratic Society

presents

SHIRLEY WILLIAMS

speaking on

The Aims of the SDP

Tuesday, May 5

1:00pm

Pippard Lecture Theatre

All members of College welcome.

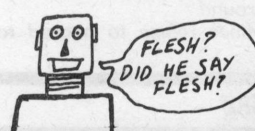
FLESH GORDON

An SF Sock Presentation

Tuesday, May 5

6.30 p.m. M.E. 220

50p (20p members)



"Yesterday, we heard of the problems the Conservatives in Sheffield face in helping tenants, in council houses, to be able to buy their home. I believe in the freedom of the individual to own his property.

"Terrorist activities in this country are on the increase. I would like to make special mention of PC Trevor Locke and his bravery at the Iranian Embassy siege. Yesterday PC Locke was awarded the George Medal. We need to give support to our Police force as they face the rioting mobs of Bristol and the molotov cocktails at Brixton.

"In a press statement this morning, our Prime Minister, Mrs Thatcher, condemned the destruction of Brixton. She said that the riots were not caused by unemployment.

"The unemployment figures have been used by the enemies of the Conservative Party to attempt to harm the good record of the Government. But have those people practical policies to lower unemployment No of course not! They are just content on picking a topic that in their minds will win the most votes.

"Conservatives need to hammer home their positive policies. Here is a Press Release from yesterday's FCS Conference. Press releases must be improved. No wonder the local Radio station only focussed on one small topical comment in Dr Rhodes Boyson's speech.

"Finally, I suggest that a National FCS Newspaper should be created. One edition to be issued before Fresher's Week encouraging students to join the FCS. Then two issues a term would be sufficient to unite all the Student Conservative Societies. There would be a chance to link up all our groups, not just at the annual conference which has now become a pathetic forum for factional infighting. We must unite to face a common enemy."

The result of the election for Chairman was: Tim Linacre (Right) 265, Peter Batey (Left) 223 and Colin Palmer (Independent) 8. Once again the Right Wing slate won the day; with a little help from the Neasden Papers perhaps?

RASP!

By our Homosexual

THE REPLACEMENT offset litho printing machine was installed in the FELIX Office on the final Thursday of last term. Unfortunately, the machine was two inches too wide to fit through one of the doors. The problem was solved, however, when Estates Department workers took down part of a wall between the Beit Television Lounge and the FELIX Print Room. This caused minor consternation to the people watching STOIC, but it is not thought they missed much.

The new litho has cost the Union over £2,500 and was bought from the Maths department. The old machine was bought second-hand five years ago, and had broken down often this session.

Quirk of Fate? No Flowers By Request

THE NEXT Vice-Chancellor of the University of London is to be Professor Quirk, of the Department of English at University College London.

This was revealed in a news report in *The Times* by Diana Geddes, education correspondent of the paper. The news had been leaked before an official announcement was made. In the report, Ms Geddes said that Lord Flowers, Rector of Imperial College, had been a leading contender for the post. She suggested that Lord Flowers had lost support after the publication of the controversial "Flowers Report" on London's medical schools.

Shortly after the report was published, Lord Scarman, a Law Lord, wrote to *The Times* complaining about the breach of confidence which resulted in the result being released prematurely. He said *The Times* had "caused embarrassment even distress to individuals".

Dep Rep Elections

THE ELECTIONS for ICU's departmental representatives took place towards the end of last term. The turnout was low. Those elected were: Aeronautics, Phil Merryman; Chem Eng, Bryan Shindler; Chemistry, K Schmidt; Computing, M Bellamy; Elec Eng, G Bowser; Life Sci, Phil Natham; Maths, Nigel Cryer; Mech Eng, Dave Gayer; Met and Mat Sci, Paul Gear; Min Res Eng, Hywel Thomas; Physics, Donal Bradley. The Civil Engineering and Geology representatives are still to be elected. The Man Sci Dep Rep will be elected next session.

Passmore denies it!

AT THE end of last term a publication called "Feelsick" appeared around College. Similar in appearance to FELIX, "Feelsick" contained much offensive material, including a suggestion that Mr John Passmore, ICU President, would be a likely ULU Presidential candidate in the forthcoming elections. Mr Passmore, however, denied that he was standing and said he hoped to do further academic work in Imperial College.

Cops 'n' Robbers

THE POLICE were called to College at the end of last term after a lecturer chased a suspected thief down seven floors of the Electrical Engineering Building.

Dr M J Lee returned to his room on Wednesday lunchtime to find an intruder in his room. When the man was challenged, he ran out and down the stairs, being chased by Dr Lee. The man was stopped at the bottom of the stairs, and the police were called. The man was taken to the local police station, but the police decided not to press charges.

Mr Reeves, Chief Security Officer, told FELIX that the man claimed to be in the room enquiring about electronics courses.

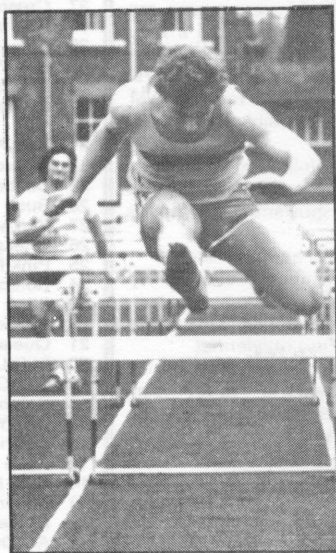
IC Student dies

FIRST YEAR Life Sciences student, Carla Castagna, died suddenly during the Easter vacation.

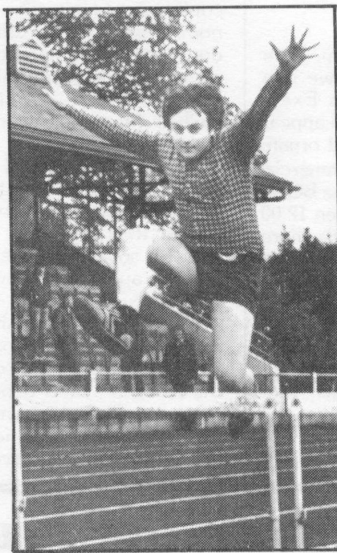
Carla died, in a plane, while on a visit to her sister in Switzerland. Carla was nineteen years old and had studied at Imperial for six months.

The staff and students of the Life Sciences department expressed their sadness on hearing the news of her death.

Spot the athlete



Athlete



Colin Palmer

IC's sports games took place last Wednesday at Motspur Park. The events included running, jumping and throwing. Mines won with eighty-eight points, Guilds eighty, and RCS eight.

Mines Election

THE MINES elections took place in the last week of last term. Mr Ross Baxter was elected as President, Miss Gaynor Lewis as Vice President, and Mr Jeremy Taylor as Hon Sec. It is the first year for quite some time that a lady has been elected to the RSMU Executive.

Who's a clever boy?

FOUR MEMBERS of the College academic staff were elected to the Royal Society during the vacation. The new FRSS are Prof Barnard of Biochemistry, Prof Butterworth of Physics, Prof Bradshaw of Aeronautics and Dr D F Evans of Chemistry.

SF Sock Bulletin

HOORAY HOORAY it's the first of May another information packed bulletin is coming your way. Hello pigeon. I'm sorry I don't know why I wrote that. Well, the society has been more successful over Easter than it ever is during term. Folks, we had a great time, and with your money as well. Let it never be said that we are underhand. But first the news.

Flesh Gordon, May 5. Mech Eng 220. Afterwards, the AGM, including SF Soc elections and important policy decisions. Yes, out with the old committee in with the new. We are all standing for re-election (all the ones who count anyway) plus a few added extra bonus candidates. Bring membership cards and be prepared to heckle. These elections are more important than the Union elections (we do actually do things after all) so should you turn up? The answer must be yes! (YES). Other news items: Chris Priest can't make it; our magazine was referred to as "an object lesson in how not to produce a fanzine" by John Collick. Not written by any of his friends or something. Well, there it is, another SF bulletin over. They're like life really. Nasty, brutish, and short, and the worse for being tampered with by Steve Marshall.

Penning by Ken (how dare you assume I'm homosexual) Mann aka Christ aka Chas aka John Lennon and Gonad the Barbarian



Sunday, May 3
Jez goes to Brighton.

Friday, May 8
Silwood Ball

Welcome back to another fun-filled term. With Davy safely in the hands of RCSU we can guarantee lots of fun for the Mines Exec. However, details of the treasure hunt will appear elsewhere in the pages of this esteemed organ.

Jez is taking part in the Historic Commercial Vehicle Club Brighton run on Sunday. The BGFE should arrive at Brighton seafront between 12.00 and 12.30. Trains from Victoria take little more than an hour for the journey and cost about a mere £2 with railcard (day return). See you on the dodgems.

All the tickets for Silwood have now been sold. Bad luck to anyone who didn't get a ticket. If you did get a ticket and wish to hire a dinner jacket then a 20% reduction has been arranged with Moss Bros in Covent Garden.

Good luck with exams.

PJ

PATA

At our last meeting Cy Challenger and Christine Aplin described the work of the Life Care and Housing Trust, a registered charity which helps women with unplanned pregnancies. Advertising alone in the underground and London's newspapers costs their Oxford Street office £1,500 per month despite which assistance ranging from pregnancy tests and counselling to help with accommodation were provided free. Cy, herself an unmarried mother, stressed that any woman who approached them for help was allowed to make her own decision whether to continue with pregnancy.

PATA's Annual General Meeting will be on Thursday, May 14, at which Sean Gordon, student organiser of Britain's biggest political pressure group, the Society for Protection of Unborn Children, will be the speaker.



Sunday May 3
Guilds Goes East
Saturday May 9
Seaside Trip

"Guilds Goes East" is a trip round the East End visiting a few pubs and places of interest, and the seaside trip will be to a top secret destination — not necessarily on the seaside. Full details from Ruth for these events.

The colours sub-committees will soon be meeting. If you know of anyone who's been a star for Guilds and think they deserve recognition you can nominate them for colours, by Tuesday to the chairman of the relevant club or society or to Andy Rushton in the Guilds Office. Your nominations must be treated in utmost confidence (don't even tell the person you are nominating — they will be disappointed if they don't get it) and must be accompanied by half a page saying why you think they deserve colours.

Nominations are also invited for the AM Holbein Memorial Award — possibly the highest award in Guilds.

Nominees must fulfil the following criteria:

1. Be someone who has proved themselves as an enthusiastic and able sportsman for Guilds (rather than IC).

2. Be socially enthusiastic and well-liked.

3. Be an active Union member (preferably not on the exec).

Again, nominations should be in by Tuesday to Andy Rushton and *must be confidential*.

Also, applications are invited, by May 12, for the Holbein Travel Scholarship. If you are going abroad to work this summer and would like some FREE MONEY see the Guilds noticeboard, or ask in the Guilds Office.

Old Centralians Trust

THE OLD CENTRALIANS TRUST will award a travel scholarship to a value of £100 (or possibly more), to assist an undergraduate of the City and Guilds College to undertake a study project abroad during the summer vacation of 1981. The award will be made in accordance with the following conditions:

1. Each applicant must submit detailed plans of his or her project — a scheme of investigation in the general field of science, technology or engineering — to be carried out abroad, during the summer vacation of 1981. Fieldwork or vacation work which is the normal requirement of a degree course or a course at a University Summer School cannot be considered. Preference may be given to applicants who have not previously undertaken a vacation project abroad.

2. The subject of an applicant's project must be approved by his or her professor or tutor.

3. A scholarship may be awarded to a group expedition but the total will not normally exceed £100. Individual applications are requested from two members of the Group, who must clearly

indicate the nature of their investigations covering different aspects of the Group project. Preference may be given to a Group expedition whose members are all undergraduates.

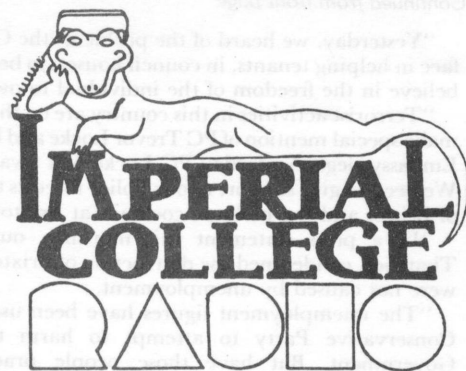
4. Each project must include an approximate timetable and travel itinerary.

5. A budget giving details of expenses involved must also be submitted and should include travel and accommodation expenses, together with cost and details of any special equipment that may be required.

6. Application forms may be obtained from the Secretary, Old Centralians, Room 303, Sheffield Building. The completed forms should be returned not later than May 12, 1981.

7. Applicants who are selected will be interviewed in London during May. The award will be announced as soon as possible after the interview.

8. Each holder of a travel scholarship will be required to submit a preliminary and a final project report; the preliminary report, which need only be brief, within a month, and the final report within four months of his or her return from abroad.



DURING the last few weeks of last term, you voted for your ten all-time favourite albums in the Big Bunny Album Egg-stravaganza. Big Bunny counted all of the votes, and came up with the chart which was broadcast on IC Radio in the final week of last term. For those of you who missed it (especially everyone who was so brained on Friday that they couldn't hear the Top Ten) we now present, via the pages of this prestigious publication, Imperial College's very own All-Time Album Chart; it's.....

BIG BUNNY'S TOP FIFTY

- 50 Bob Dylan Blood on the Tracks
- 49 Pretenders The Pretenders
- 48 Residents Not Available
- 47 Queen Sheer Heart Attack
- 46 Bob Seger Stranger in Town
- 45 Jam All Mod Cons
- 44 Rush 2112
- 43 Wishbone Ash Argus
- 42 Rainbow Long Live Rock'n'Roll
- 41 Simon & Garfunkel Bridge Over Troubled Waters
- 40 Adam and the Ants Kings of the Wild Frontier
- 39 Stevie Wonder Innervisions
- 38 Rolling Stones Sticky Fingers
- 37 Crosby, Stills, Nash & Young Deja Vu
- 36 Rolling Stones Exile on Main Street
- 35 Billy Joel The Stranger
- 34 Sex Pistols Great Rock'n'Roll Swindle
- 33 Dire Straits Dire Straits
- 32 Bruce Springsteen Darkness on the Edge of Town
- 31 Sex Pistols Never Mind the
- 30 Jethro Tull Aqualung
- 29 Beatles The Beatles
- 28 Rush A Farewell to Kings
- 27 Van Morrison Astral Weeks
- 26 Cheap Trick Dream Police
- 25 Pink Floyd Animals
- 24 Rolling Stones Let It Bleed
- 23 Elton John Goodbye Yellow Brick Road
- 22 Al Stewart Year of the Cat
- 21 Queen A Day at the Races
- 20 Stiff Little Fingers Inflammable Material
- 19 The Cure Seventeen Seconds
- 18 Rainbow Down to Earth
- 17 Neil Young Live Rust
- 16 Clash London Calling
- 15 Deep Purple Made in Japan
- 14 Kate Bush The Kick Inside
- 13 Supertramp Crime of the Century
- 12 Bruce Springsteen Born to Run
- 11 AC/DC If you want Blood.....
- 10 Steely Dan Aja
- 9 Peter Gabriel Peter Gabriel (III)
- 8 Pink Floyd The Wall
- 7 Genesis A Trick of the Tail
- 6 Bob Dylan Desire
- 5 David Bowie Hunky Dory
- 4 Pink Floyd Dark Side of the Moon
- 3 Bruce Springsteen The River
- 2 Stevie Wonder Songs in the Key of Life
- 1 Pink Floyd Wish You Were Here

Don't forget that you can hear IC Radio on 301 metres (999kHz) throughout the Prince's Gardens Halls of Residence (except for some of the Linstead Extension), also in Stan's and Linstead Bars and various gallery levels. Because of everyone's impending exams, broadcasts last until 11:00pm each evening.

H.G. Wells

Interested in reforming the H.G. Wells Society? Then meet in the FELIX Office at 1.00pm TODAY!!!!

COVENT GARDEN PROMS



Seven performances by The Royal Ballet:

Mon. May 11. 7.30 p.m. The Sleeping Beauty (Tchaikovsky/Petipa)

Tue. May 12. 7.30 p.m. Isadora (Bennett/MacMillan)

Wed. May 13. 7.30 p.m. Hamlet (Tchaikovsky/Helpmann)
Symphonic Variations (Franck/Ashton)
Pas de deux (to be announced)
The Concert (Chopin/Robbins)

Thur. May 14. 7.30 p.m. The Dream (Mendelssohn/Ashton)
A Month in the Country (Chopin/Ashton)
La Fin du jour (Ravel/MacMillan)

Fri. May 15. 7.30 p.m. Hamlet (Tchaikovsky/Helpmann)
Symphonic Variations (Franck/Ashton)
Pas de deux (to be announced)
The Concert (Chopin/Robbins)

Sat. May 16. 2.00 p.m. Romeo and Juliet (Prokofiev/MacMillan)

Sat. May 16. 7.30 p.m. Romeo and Juliet (Prokofiev/MacMillan)

700 stalls promenade places available on the day of performance one hour before curtain up. £1.50 each inc. VAT.
Further details: 01-240 1911 (24-hour information service).

Bargain offers for promenaders. Stalls seats for Amphi prices! Proms ticket stub will entitle you to drastic reductions on seats for a number of performances by The Royal Opera. Full details supplied with tickets.

Sponsored by Midland Bank Limited.



Midland Bank


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1981 50p

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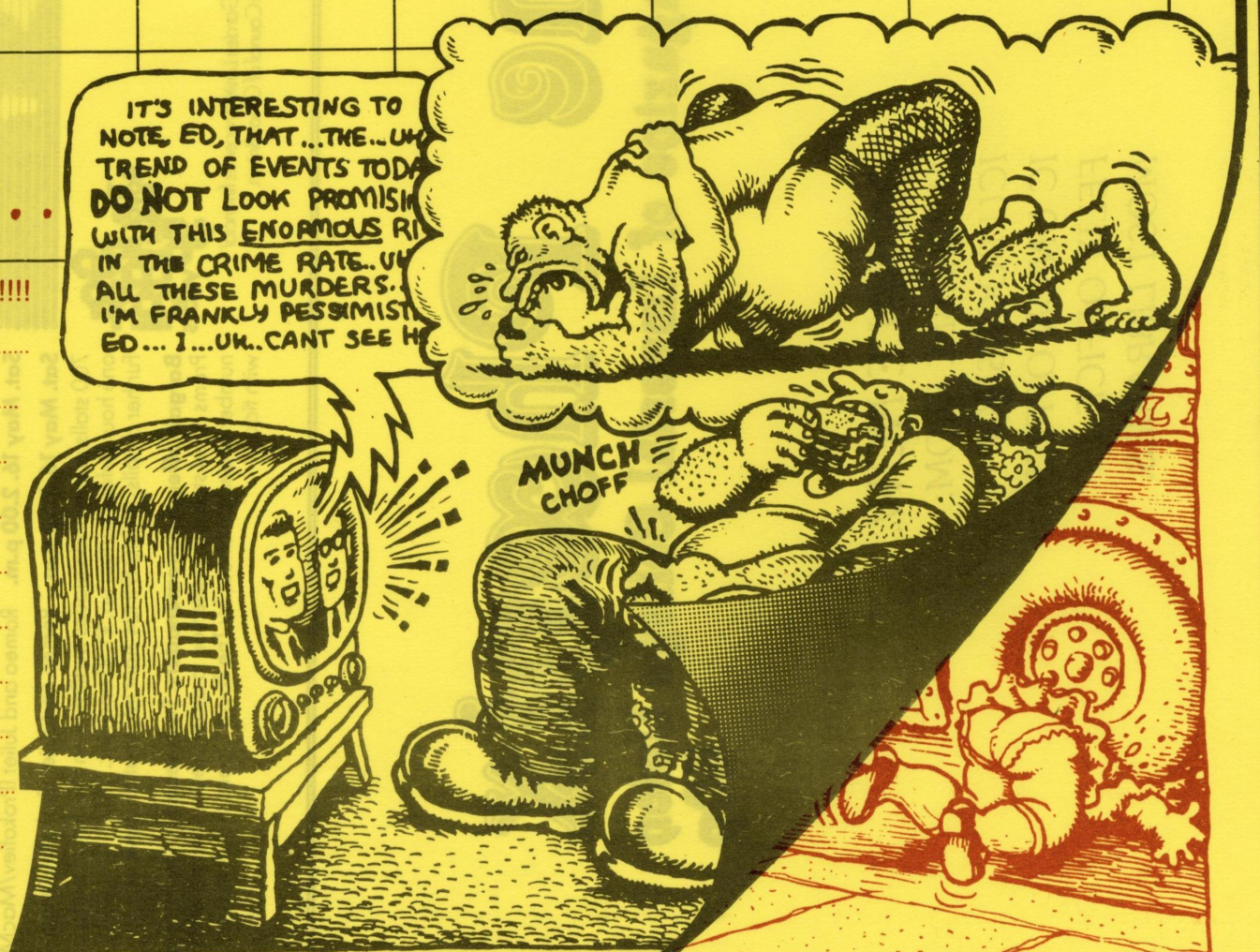


Summer Term
M

My very own FELIX calendar

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
<div>4</div> <div>MAY</div> <div>Bank Holiday</div>	<div>5</div>	<div>6</div>	<div>7</div> <div>IC UGM, 1:00pm, Great Hall Don't miss SUPERMAN 6:30pm, ME 220</div>	<div>8</div> <div>Silwood Ball</div>	<div>9</div> <div>Guilds Seaside Trip</div>	<div>10</div>
<div>11</div>	<div>12</div> <div>Guilds Handover UGM RCS AGM</div>	<div>13</div>	<div>14</div>	<div>15</div>	<div>16</div> <div>Rag Fête</div>	<div>17</div>
<div>18</div>	<div>19</div>	<div>20</div>	<div>21</div>	<div>22</div>	<div>23</div> <div>Guilds Rag Collection Old Centralians Ball</div>	<div>24</div>
<div>25</div> <div>Bank Holiday</div>	<div>26</div> <div>IC AGM, 1:00pm, ME 220</div>	<div>27</div>	<div>28</div>	<div>29</div>	<div>30</div>	<div>31</div>
<div>1</div> <div>JUNE</div>	<div>2</div>	<div>3</div>	<div>4</div>	<div>5</div>	<div>6</div>	<div>7</div>
<div>8</div>	<div>9</div>	<div>10</div>	<div>11</div>	<div>12</div>	<div>13</div>	<div>14</div>
<div>15</div>	<div>16</div>	<div>17</div>	<div>18</div>	<div>19</div>	<div>20</div>	<div>21</div>
<div>22</div> <div>Last week, hip, hip.....</div>	<div>23</div>	<div>24</div>	<div>IT'S INTERESTING TO NOTE, ED, THAT...THE...UN TREND OF EVENTS TODAY DO NOT LOOK PROMISING WITH THIS ENORMOUS RISK IN THE GAME DATE, ILL</div> <div></div>			

MY EXAMS AT A GLANCE....Aaaaarrrrrgh!!!!



Find out about Marketing Management

and see if it would suit you...

Marketing Manager

a total business role in a dynamic consumer industry
OXFORD

c. £20,000 p.a. + car

Our client is a multi-million pound international company. Recent changes have resulted in the need to hire a Marketing Manager to join the board.

The successful candidate will be given the challenging opportunity of "running his/her own show" and will therefore need to demonstrate a high degree of analytical and creative thinking, combined with an approach to business geared up to making things happen.

This position will therefore attract honours graduates with business flair and a strong record of consistent achievement.

The salary is backed by a company car and other important benefits. Career prospects are excellent and there is plenty of scope to move upwards, not only in marketing but also in general management.

SMITH
HESLOP &
ARMSTRONG LTD.

The demands of marketing management are high, but so are the rewards - in job satisfaction and material terms. You can find out about the challenge of marketing management by spending five days on Procter & Gamble's Marketing Vacation Course.

We are one of the most successful manufacturers of fast moving consumer

goods in the world and acknowledged leaders in the marketing management field. The UK Company markets such household names as Ariel, Fairy Liquid, Head & Shoulders, Crest, Flash, Daz and Camay.

Between 21st and 25th September, we will be running an informal, but intensive, marketing management course for a group of final year undergraduates at our Head Office.

Full accommodation and all expenses will be paid. During the Course you will actively participate in business projects ranging from product development and consumer research to television advertising and in-store promotion. They will give you a real feel of the challenge, intellectual stimulation and enjoyment of marketing management, and insight into the broad range of activities involved. You will also have a chance to meet some of the wide variety of people with whom a marketing manager works.

If you are interested in learning about Marketing Management, you should apply as soon as possible.

Please ring John Harper, reversing the charges on Newcastle upon Tyne 857141, or write to him c/o Brand Promotion Division, Procter & Gamble Limited, P.O. Box 1EE, Gosforth, Newcastle upon Tyne NE99 1EE. The closing date for applications is 18th May, 1981.

Interviews with applicants will be held at the University before the end of term.



with THE VEGETABLES

Trace

INVESTIGATIONS OF A DOG

Ken Wood & the Mixers

SATURDAY MAY 2ND

7-12 p.m.

BAR LIGHTSHOW DISCO FOOD

RAFFLE BOOKSTALL COMPETITIONS

UNION CONCERT HALL

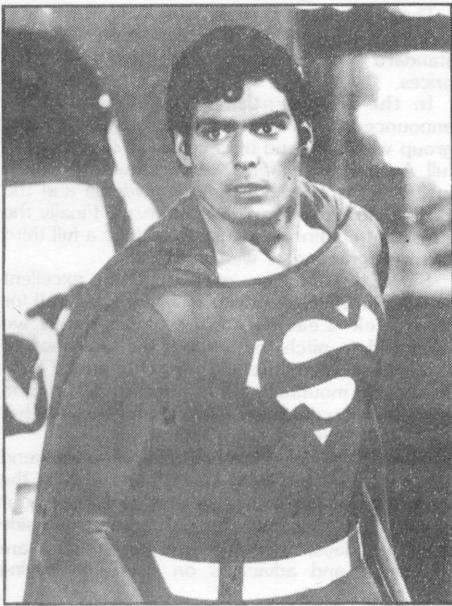
admission 75p by badge
from Union Office, CND
or on door

NO CRUISE, NO TRIDENT: PROTEST AND SURVIVE

Reviews

The Easter period saw the unveiling of several interesting films. For those with time to spare here is a brief round up.

In *Superman II* (A, Richard Lester) a trio of Kryptonian super villains are set against the man of steel, each with powers equal to his own. Needless to say, Superman eventually triumphs, but not before enduring a titanic battle on the streets of New York. The film maintains a pace which *Superman, The Movie* lacked (as much "scene setting" was required) and is one of the few sequels which is actually more enjoyable than the original.



Incidentally, the first Superman film will be shown by ENTS next Thursday.

The surprise film, for me, was *Chariots Of Fire* (A, Hugh Hudson), the story of two British athletes (Harold Abrahams and Eric Liddell) who both wish to win the 100m gold medal at the 1924 Paris Olympic Games. Now this may sound a fairly dry subject but it is presented with a style and refreshing enthusiasm that makes it tremendously enjoyable. Abrahams, a Jew, was spurred on to eventual victory by a strong undercurrent of racism and eventually became a leading figure in British athletics for fifty years. Liddell, a devout Christian, caused a sensation when he refused to compete in the 100m heats because they were on a Sunday. Not surprisingly, there is a certain amount of pomposity and glorified patriotism included which suit the period well — this adds to the feeling of authenticity. Highly recommended.

Roman Polanski's *Tess* (A) is an epic (two hours and 51mins) adaptation of Thomas Hardy's romance *Tess of the D'Urbervilles*. I found, however much one could admire Polanski's excellent direction and visual sense it was difficult to maintain interest in the plot for the entire film. I'm sure that Polanski has directed true to the novel but I can't help feeling that pace was sacrificed for accuracy. The film still stands head and shoulders above most of the usual rubbish thrown onto cinema screens, but you may find Thomas Hardy just a little too boring.

The live action debut of *Popeye* (U, Robert Altman) turned out to be a real mixed bag. The casting of Robin Williams as Popeye and Shelly

Duval as Olive Oyl was inspired, along with many more of the cast. The film is a semi-musical, with songs by Nilsson, and follows the adventures of the anvil-armed sailor as he arrives at Sweethaven in search of his long lost pappy. At first it is almost impossible to discern a word that anyone says, but as the film gathers momentum things become easier. Overall, though, it is a brave attempt to transform a comic-strip character which never quite succeeds. Despite some wonderful moments it is a somewhat confusing mix of the traditional elements. Even spinach doesn't appear until the very end!

Mark Smith

Scanners

David Cronenberg's latest film *Scanners* (he made *Shivers*, *Rabid* and *The Brood*) will appeal only to those who enjoyed his last three films. According to box office takings — that's a LOT of people!

Scanners are people versed in the art of ESP and telepathy to such an extent that their thoughts can kill... often with mind-blowing (ha! ha!) special effects that are truly spectacular. There is more of a story-line to *Scanners* than in Mr Cronenberg's previous films, which seemed to be mostly a catalogue of distasteful effects. However, devotees of bad taste in films such as myself are not to be disappointed as *Scanners* is Mr Cronenberg's most vile film to date!

Scanners is certainly not a "great" film such as David Lynch's *Eraserhead* (he later made *Elephant Man*) which is probably the most disgusting film ever conceived, but it is nevertheless immensely entertaining. It is both suspenseful and reasonably well filmed, however the acting ability of the main star Vale (Stephen Lack — a good name!) leaves a little to be desired. But no worry, the chief baddie, Revok (Michael Ironside), makes up for this in sheer viciousness. Patrick McGoonan is in it too — this is one of the few films he has made since his *Prisoner* days; God know's why he bothered!



Vale performs Bernie Winters impressions while being scanned.

One point I feel is worth mentioning is that the SOUND effects in the film are, I found, quite sickening. I will remember the awful straining of telepathic brains for a long time. So, if you want to have the full alpha-wave scrambling experience — see *Scanners* at a cinema with a decent sound system.

If you enjoy this kind of thing (goes without saying, really) go and be scanned now! — it's one of the few films that made my stomach feel a trifle queasy — especially during that awful fifteen minute sequence near the end. (Christ! What a way to recommend a film!)

Steve Marshall

Theatre

hAM DRAM

THE HAMDRAM FINAL, advertised as the "Home Counties National Festival Final", transpired to be five one act plays from the book *Plays For Coarse Acting* by Michael Green. The plays were performed by Imperial College Dramsoc in the Union Concert Hall.

Ironically the plays were caricatures of the typical amateur dramatic play, exaggerating all the things that go wrong in such home-made efforts.

In 'Streuth' disasters such as doors jamming and scenery collapsing were executed with hilarious results. The actors had the difficult task of playing the part of the amateur playing the part, which they did very successfully. Chris Barton delivered his lines in 'Streuth' marvellously, with the conviction and feeling of a ham sandwich. Good performances were also given by Mark Wilson in 'The Cherry Sisters' as a thoroughly disgusting hunch-backed butler, Piles, and Mike Pick-up, who gave a marvellously over the top performance as a Richard the Third type mad duke, in the Shakespearean spoof 'Alls Well That Ends As You Like It'.

The other plays performed were 'Il Fornicazione' (The Adulterer), a tragic opera, and 'The Colliers Tuesday Tea', a grim Yorkshire tale by H D Lawrence.

The whole effect was superb, all that went wrong did so to perfection. There was nothing humdrum about Hamdram!

Records

Spandau Ballet Journeys to Glory

(Chrysalis/Reformation)

FROM THE COVER to the record label, this album oozes class and style. And like it or loath it, the music complements the image perfectly.

Although they are landed with the tag of 'New Romantics', this album shows Spandau Ballet to be one step ahead of the rather more immature 'Futurist' standard bearers. Ironically, the album is produced by Richard James Burgess, former Buggles drummer and currently with another much acclaimed album in the charts from his own futurist band — Landscape.

By the time this is printed *Musclebound* will no doubt have joined *The Freeze* and *To Cut A Long Story Short* as former high flyers in the singles charts, aided by a video which cost more to produce than the whole album. *Musclebound* is perhaps the most representative of the Spandau sound on this album, with its non-disco danceable rhythm and its atmospheric evocative sound. The lyrics are rich in imagery and stronger than any mere rock'n'roll music. But read on.....

Journeys To Glory was initially conceived two years ago and the album was recorded last year. The image of the band is still of central importance — 'hair' comes before 'lighting' in the credits — but live in the clubs, much of the overtone is lost to pure and simple professionalism. Though the songs are imaginatively reproduced, somehow the atmosphere is not conducive to romanticism and the songs are not suitable for cattle pen clubs. To tell you the truth, it's only rock'n'roll, but I like it.....

John Miller

Give Blood

**Tues 5
and
Wed 6**

The Blood Transfusion Service is returning to College on the above dates. The need for blood, for treating accident victims, for those with blood diseases, and for many other uses, is far greater than the supply. It is now six months since the Blood Transfusion Service came to IC, so, if you last gave blood then, you can do so again this time. If you haven't given blood before, please do come along. Thinking about it is by far the worst bit — actually doing so is very quick, easy and painless, and for the good it does it is surely worth the effort. Anyone at College who is generally in good health is eligible.

Come to the Union Dining Hall (First Floor, Union Building) anytime between 9:30am and 12:00 or 2:00 and 4:00pm on Tuesday or Wednesday. If it is full when you try, please come back later. Remember.....

GIVE BLOOD — NOT EXCUSES!

Red Cross Week

NEXT WEEK is Red Cross Week when we collect in all the Kensington and Chelsea pubs and Saturday, May 9 is Red Cross Day when we have a full street-collecting licence.

We need you to help with 'pubbing' in the evenings and street collecting all day on the Saturday.

Please spare an hour, we will issue you with a licence to collect and stickers to hand out. Contact Roger Serpell, Aeronautics department (3707), Simon Chandler, Maths 3 or Ian Cairns, Computer Centre (2620).

And don't forget.....

**The British Red Cross Society
FIRST AID COURSE**

commences

Thursday, May 7

at 6:00pm in the Bot/Zoo Common Room
It is a six week course leading to a standard first aid certificate.

All staff and students welcome!

Bookshop News

THE MOST IMPORTANT book published in the past few weeks must surely be *Their Trade Is Treachery* by Chapman Pincher, published by Sidwick and Jackson, £7.95. After the serialisation in the *Daily Mail* and a massive publicity campaign, this book deserves its place at the head of this week's Bestseller List. Copies are still available in the Bookshop.

Have you seen the new postcards from Pictura? This is a Scandinavian company that specialises in colourful cards suitable for all tastes and occasions, all at 16p.

This week we have a selection of titles in the window, published by Charles Griffin, Scientific and Technical Publishers. If you wish to see any of their books, please ask my counter staff, full catalogues are available and any title can be ordered.

Book Sale: There will be a sale in the Bookshop beginning Friday, May 1. All books in the sale will have at least 25% off their original price, and this year's diaries will be reduced to at least 50% off original price. Imperial College pens are down to 9p.

TM Soc

Are you coping with exams? Would you like to work more efficiently, think more clearly and cope better?

If you have ever felt that there's more to life, then transcendental meditation could be for you.

TM is a technique for self-development which is practised by over three million people in all parts of the world. It is not a religion, a philosophy or a way of life.

In order to learn to meditate you don't have to give up anything or to have any particular beliefs. Transcendental meditation is a simple, natural mental technique which is practised twice daily for twenty minutes in a comfortable position. The process is one of direct experience rather than intellectual analysis and does not involve concentration. Meditating is a very pleasant and effortless experience. It is easily learnt by anyone regardless of background. The instruction is only a matter of a few hours and afterwards there are no obligations. TM is not a cult or a belief system and there are no contradictions with religion.

We have said a little about what the technique is but what benefits can this give you. Regular practise of TM essentially brings about a greater enjoyment and enrichment of daily life. The deep refreshing rest that accompanies meditation leads to greater energy and to more efficient and dynamic activity. A feeling of well-being and happiness spontaneously grows resulting in easier communications with others and more loving and fulfilling relationships.

Through clearer thinking the ability to learn easily and to appreciate studying is greatly improved. Stresses and anxieties in the system which inhibit normal and healthy functioning are gradually thrown off resulting in a dramatic improvement in health and brighter perception. The benefits that come from the practise are automatic and cumulative, profoundly enriching all aspects of life.

Even if you feel sceptical and that you have no need for this or that it's a bit strange, the possibilities are so great that it's at least worth finding out about.

If you are interested, you are welcome to attend an introductory talk in Huxley 341 at 12:45 or 5:30pm on Thursday, May 7. Refreshments will be provided, or contact Bernard Canetti, Maths PG, int 4380 or Oliver Kleyn, Chem Eng PG, int 3818.

Liberal Club

As many people will be aware, the local government elections take place on May 7. Many Liberal constituencies in London have contacted our club asking for assistance in leafleting and canvassing. If you are interested in taking part in practical politics please drop a line to the Liberal Club via the Union Office and we will put you in touch with Liberals in the area.

Labour Club

The Greater London Council elections on Thursday should provide a massive vote in favour of socialist policies. The Labour Party is promising to cut public transport fares by 25%, more housing to reduce London's chronic shortage of accommodation, to create jobs by investment in industry and to maintain and improve the education system.

Any assistance with the election campaign will be most welcome. Contact your local labour party (under 'Political Organisations' in the Yellow Pages) or the Greater London Regional Labour Party, 01 703 6511. Lastly, if you have a vote use it!

ICYHA

The Annual General Meeting took place on Thursday, March 12 and was well attended. The meeting included elections for committee posts for next year, the Treasurer's and President's reports, future destinations and further details about the Easter trip.

Nominations were made for all committee posts and the results were: President, Chris Jones; Secretary, Steve Clarke; Treasurer, Steve Brown; Publicity Officer, Gordon Folkard; Transport Officer, Andy Smith; Equipment Officer, Ian Jones.

The present Treasurer, Steve Brown, then made his report, commenting on the present high member subscription rate imposed upon the group and how the price of an average weekend had still been kept low, compared with recent increases in hostel fees.

The rise in the cost of petrol would raise prices, he continued and where possible non-VAT and standard hostels should be booked to reduce prices.

In the President's report, Chris Jones announced it had been a prosperous year for the group with weekend trips very well supported, a full Autumn and New Year programme, which included the Lake District, Snowdonia and the Peak District, at fortnightly intervals. Finally the President confirmed plans to produce a full third term programme of weekends.

Since the meeting, we've had an excellent holiday in the Cairngorms where we camped for one week. Leaving early from London, we managed to pitch the tents in the afternoon at Glenmore campsite. Among the more pronounced mountains we climbed are Cairngorm and Ben Macdri (over 4,000ft) and the weather the whole week was hot and sunny.

There is the possibility of going on a weekend trip next weekend (May 8 to 10) and again at the end of term. Meanwhile we stay active with our regular butty meetings at 12:30pm in Southside on Thursdays, where future destinations are discussed and advice is on hand for buying equipment.

Steve Clarke

London to Brighton Cycle Ride

THIS YEAR cyclists will again be setting off to Brighton from Hyde Park on the sixth annual London to Brighton cycle ride which this year will be on Saturday, May 9, with a 7:30am start. This year the sixty mile ride will be starting from Serpentine Road near Hyde Park Corner due to the large numbers of people expected. For most of the cyclists the return will be by special trains on the Saturday night although accommodation will be available for those wishing to join the social in the evening in Brighton.

Only thirty people were on the first London to Brighton Ride in 1976, but last year over five thousand left Speaker's Corner. This year we reckon there'll be eight thousand, so come along and make it eight thousand and one! All types of rider and machine take part, from children to clubmen, and tandem trikes to unicycles. Don't worry if you've never cycled sixty miles in a day, as it's not a race — everybody goes at her/his own speed and at the hills a lot of us get off and walk, so there's a good feeling of togetherness. As usual there'll be street theatre and bands to entertain, food for the inner man, and bicycle repair vans and breakdown vehicles. For further information about the route contact Bill Alexander or Ronan McDonald, both in Maths 1 or the London Cycling Campaign, telephone 928-7220.

Fight World Poverty

SINCE its publication last year, the Brandt Report has already sold over 100,000 copies in Britain, and the response from the general public has been widespread. Several lectures have been given to capacity audiences in London colleges, for instance Imperial College held a series of four lectures on the report last term; two of the speakers were Shirley Williams and the Director of Christian Aid, Dr Kenneth Slack.

The report is subtitled: 'North-South: a program for survival' and examines the global issues of poverty, hunger, and the threat to world peace facing both the industrial countries of the "North" and the developing nations of the "South". It calls for a summit of world leaders and the implementation of an emergency program based on a global energy strategy, a world food program, monetary reform and an immediate increase in aid.

The summit is to be held in Mexico in October, and a lobby of Parliament is being organised by the churches and major aid agencies to try and change the Government's attitude to these issues, characterised by the overseas students fees policy, the overseas aid cuts, and the massive increase in arms spending. Already thousands of people, including many students, are coming to the lobby, which shows the overwhelming concern generated by the Brandt Report. If you would like to join them in attending the lobby meeting, where the speakers will include Michael Foot, Douglas Hurd and Shirley Williams, send your name, address and home constituency to Fight World Poverty Lobby, c/o WDM, Bedford Chambers, Covent Garden, London WC2E 8HA, or just turn up at the St Stephen's entrance to the House of Commons between 3:00 and 9:00pm on Tuesday, May 5.

Jonathan Tame

SPORT

Compiled by Phil Webb

Batavieren Race

FOR the fourth consecutive year, a bunch of misfits namely the "Impalas", this year led by Mark Thwaites, left London, early last Thursday morning to compete in the Batavieren Race, through Holland and Germany.

The race is a twenty-five stage relay for teams of nineteen men and six ladies; run from Nuymeger in Holland, crossing the Rhine into Germany then back into Holland to the finish in Enschede. The field consisted of one hundred and fifty teams from all over Europe.

Our entrance to Europe was in traditional style with a push start off the ferry. But surprisingly Nijmegen was reached on schedule; the two new drivers Richard Smith and Gavin Virk managed remarkably well.

The race started at midnight on Friday. Despite stiff opposition, particularly from old rivals Surrey, the team quickly moved into a comfortable position, finishing seventh after the ten night stages. Notable performances were given by Richard Smith, Geoff Sherwood, Bryan Alford and Ann Conlan.

The morning session saw the team's best performance: Hugh Dixon and Karen Harget had fine runs. Hugh producing the second fastest time for his stage. The stage was completed by our Dutch Hostess in great style; out sprinting Surrey

at the line to finish second; thus with six stages to run after a second re-start we lay fifth.

During the afternoon the quality of the opposition improved. After the twenty-second stage we lay only tenth, despite valiant efforts from all members of the team. The highlight of the afternoon was the twenty-third stage, run by Geoff Sherwood; his was the fastest time, by nearly a minute, on the 8.2km stage (27min 01sec) gaining four places. Dave Beeson ran the final and most competitive stage finishing strongly in seventh place.

Our overall position was also seventh, down on last years second place, however the standard improves every year so we were well pleased with the result.

Traditionally the host university puts on a superb party on the Saturday evening continuing through until the early hours of Sunday morning. As a result, most of the team suffered from a somewhat dazed journey home through Holland and Belgium, which was not helped at all by sickness and windscreen wiper trouble.

We arrived back in London at midnight on Sunday, all resolved to return next year to compete in the tenth anniversary of the event.

TEAM: Marion Murphy, Maurice Wilson, Richard Ashworth, Mark Thwaites, Bryan Alford, Richard Smith, Karen Harget, Phil Hayes, Russ Weston, A Harrington, Alf Garnett, Ann Conlon, Geoff Sherwood, Pete Holdsworth, Hugh Dixon, Kelvin Alford, Jon Frost, Ian Isherwood, Gavin Virk, Geoff Jerwood, Pete Johnson, Dave Beeson.

Snooker

WELCOME back all snooker fanatics, there won't be a lot to report this term as the season has nearly finished. We have had the elections for next year's posts and I wish everyone in a position of responsibility a successful year. The President will be J White (Maths 2) supported by C Tripp as Vice President, also from Maths 2.

I'd like to thank all out-going committee members who have laboured relentlessly throughout the year. Special recognition must be paid to S Bennet and M Proudlove.

There are just two remaining matches to be played to complete this year's fixtures. They will decide the second and third positions of the league when the B team and C team play opposition outside to College. As this last match is so important to the B team they will expect their usual crowd of supporters and well-wishers to attend.

There are some unfinished competitions and all persons concerned should try to complete their matches before exams start.

Hockey

RCS entered this game hopeful of their first victory in two seasons, despite having lost 2-0 to Guilds in the penultimate league game of the season. The first half, although keenly contested as usual, was goal-less with most of the pressure coming from Guilds but with neither side making any clear-cut chances. The second half continued along the same lines for twenty minutes when RCS won their first penalty corner. Cope stopped the ball, and shot, but the ball was deflected by the keeper to Steve Parker whose waist-high shot towards the far post was never going to be stopped. Unused to this situation (ie being in the lead) RCS relaxed and, within two minutes, Guilds equalized from a penalty corner. This only seemed to inspire RCS who pushed forward with increasing confidence, winning a free hit just to the left of the D. Mike Cope followed in to flick the ball past his marker and into the goal. With only four minutes to go, Guilds protested vehemently but the goal stood and RCS held on to gain a deserved victory.

TEAM: Williams, Parker, Reilly, Hughes, Moon, Hutchings, Ayers, Taylor, Leinster, Cope, Farrington.



Easter Puzzles

Weeks of planning and puzzle writing, two full nights of typesetting, and several hours of proof-reading with my finest toothcomb. (Toothcomb? How often do you comb your teeth?) And still a misprint got through. Apologies all round, especially to JAIF in whose superb cross-number the error appeared. As lots of you pointed out, the clue for R should have read $R = \sqrt{P^2 + (N - H \cdot U)^2}$. Because of the mistake, the closing date for the prize puzzles has been extended to 1:00pm next Wednesday.

A message for those of you who have bought a copy of the Phoenix: clue 4 Down is missing from Leo Easynob's crossword. (Nice to know I'm not the only one who cocks things up.) The (rather appropriate) wording of the missing clue is as follows:

Reprinted with lost continuity (11).

And now a message for those of you who haven't bought a copy of the Phoenix: buy a copy of the Phoenix. Apart from poetry, photographs, stories, other articles of great cultural worth, and a piece of music composed and written by our deputy president elect, there is a superb crossword by Leo Easynob (work it out like I had to) and a Scaramouche puzzle based on one of the most ingenious ideas Grey Spider has ever showed me. And each of the competitions carries a prize of £10. Strongly recommended.

And so to the answers of the swordless puzzles in the Easter FELIX.

Pirate Radio

Yes, the General is correct to assume that there are no suitable sites for the transmitters.

For suppose there are suitable sites. Draw a line from each transmitter to the National Radio Headquarters; then two of these lines must make an angle of less than or equal to 60°. Consider now the two transmitters on these lines. Whichever is nearer to the NRH will be able to receive signals from the other.

Chance Chess

Bumble should play a conservative game if he is winning, and a daring game otherwise. This strategy gives him a surprising 53% chance of winning the championship.

Magic Square

Of course, there are infinitely many ways of filling the square, but the simplest is to raise 2 to the power of the numbers in the example, so that the numbers in the first row become 256, 8 and 16, the numbers in the middle row become 2, 32 and 512 and the numbers in the bottom row become 64, 128 and 4.

Object In Motion

The object is in orbit. Friction with the atmosphere causes it to drop to a lower orbit where the orbital speed is higher. The decrease in potential energy compensates for the increase in speed as well as the energy lost in friction.

Planets

Usually Pluto is furthest from the sun. But Pluto's eccentric orbit sometimes takes it inside the orbit of Neptune, and that is where it happens to be at the moment. So the answer to the question as I worded it is Neptune.



Message to Southside

The heating in Falmouth/Tizard has been off for the whole of the Easter vacation and is still off. And it's bloody cold in Hall at the moment.

While I can understand the College wanting to save costs over Easter by allowing the few contemptible tourists, foreign students and FELIX Editor to freeze in glorious technicolour, I didn't think they would want to do likewise to the rest of the residents when they returned. What about portable electrical heating appliances? 'Fraid not, they say, fire regulations, have some extra blankets — stuff the fire regulations as a convenient excuse for inefficiency!

I would advise all residents to withhold payment of their Hall bills until the heating is restored. They will threaten you with eviction as they did to me in a similar situation in No 9, Princes Gardens last year which was without

heat for most of the winter but their threats are as tenuous as their blankets. There is only one way to deal with College inefficiencies, kick 'em where it hurts!

Southside Plant

So much for campaigning journalism!

Wellsoc

A meeting of all those interested in reforming the H G Wells Society, or those vaguely interested and want to know more, will take place in the FELIX Office at 1:00pm TODAY. If you are interested but cannot attend, leave your name and we will get in touch.

FCS Leadership

Congratulations to Colin for flying the IC flag in typical style at the FCS Conference over Easter. Well done, Col baby!

I say! I say! I say!

A joke for all the outraged monarchists amongst you:

Q: Why is Prince Charle's dong multicoloured?

A: Because he keeps dipping it in dye.

Okay, so you've heard it, never mind I won't tell the one about the baby who chucks Farleys.

Thanks to

Colin, Patrick, Mark, Tim, Steve, Phil, Martin, Ian, Maz and me.

As numbers of helpers fall off this term due to exams, so will the number of pages of FELIX. So, if your article isn't included, or you don't think you've got enough to read, then come and help — but don't fail your exams! Or if you do fail them, don't blame me and remember than working on FELIX is often more important than exam results when applying for non-academic jobs, such as the BBC (non-technical).

Next week we will be announcing the winner of the Irish "Slimmer of the Year" competition.



Like Königsberg (which is visited each year by scores of perambulatory topologists, all intent on verifying that it is impossible to cross each of the seven bridges just once) the town of Kuratowskigrad welcomes a steady stream of graph theorists throughout the tourist season. Presumably they still expect to find the three houses and the celebrated but impossible attempt to connect each of them to the water, gas and electricity supplies with nine pipes which do not cross each other.

But times change, and the three substations have long since disappeared. Happily, the town's propensity for topological curiosity has not, and Kuratowskigrad now boasts a totally unique telephone service.

There is no central telephone exchange: you can only phone one house from another if there is an independent underground cable joining the two houses. And true to the old tradition, no two cables cross, and no cable passes under a house; each cable serves only the two houses at its ends.

You might suppose that this restricts the number of places you can telephone from any given house, and you would be right. Nevertheless when I visited the town, my host proudly informed me that he is connected to six of his friends, and that no one in the town is connected to less than five others.

What's On

Friday, May 1

•**Christian Union Meeting**, Missionary Secretary's DIV and fellowship, 6:00-6:30pm, Music Room, 53 Princes Gate.

Saturday, May 2

•**CND Benefit Hop**, 7:00pm (to 12:00pm), Union Concert Hall, 75p including free badge. SU cards are required. Five bands are playing (Trace, Investigations Of A Dog, The Vegetables, The Pope, Ken Wood and The Mixers) plus bar, disco, cheap food, raffle, light show, bookstall . . . plus more entertainment. Tickets (badges) from Union Office or College CND members.

Tuesday, May 5

•**Debate: This House Believes that IC should not assist in developing South Africa's nuclear capability by accepting South Africa-sponsored students on its nuclear technology course.** Proposed by Mike Terry (Gen Sec of the Anti-Apartheid Movement) and opposed by John Smith, Secretary of IC, 1:00pm, Mech Eng 220.

•**Blood Doning**, 9:30am to 12:00 noon and 2:00pm to 4:00pm, first floor Union Building.

•**SCC Exec Meeting**, 12:30pm, Green Comm Room.

•**STOIC Broadcast**: One of an occasional series 'Stars on STOIC', Graeme Shaw talks to Andrew Sachs — *Manuel of Faulty Towers*, 12:45pm.

•**IC Social Democratic Society** present a talk on the SDP by Shirley Williams, 1:00pm, Pippard LT. All members of College welcome.

•**Pimlico Connection Information Meeting** for those interested in the possibility of becoming tutors for 1981/2, 12:30-1:30pm, Common Room, 606, Level 6, Elec Eng.

•**OSC Filmshow and meeting**, 6:15pm, Huxley 213.

•**FLESH GORDON**, 6:30pm, Mech Eng 220, 50p (members 20p).

•**Science Fiction Society AGM**, after film (*Flesh Gordon*), Mech Eng 220. Elections for next year's committee. Bring ICSF Soc cards.

•**C&G Aero Soc**, Exercise Red Flag, RAF Buccaneers Exercise in America film and lecture by Wing Commander Phil Wilkinson and Squadron Leader Mike Cunningham, 7:00pm, Physics LT1. Everyone welcome.

•**Photosoc Bin Print and Colour Slide Competitions**, 7:00pm, Mines 303. Judged by Mr W H Chadwick (CAPS).

Wednesday, May 6

•**Blood Doning**, 9:30am to 12:00 noon and 2:00 to 4:00, First Floor, Union Building.

Thursday, May 7

•**SCC Full Meeting**, 6:00pm, Senior Common Room. All clubs must attend.

•**IC Youth Hostelling Meeting**, 12:30pm, Southside Upper Lounge.

•**STOIC Broadcast: Newsbread**, a news magazine programme for students, 12:45pm.

•**Life Sciences Party**, 8:00pm till late, JCR. Tickets £1.00. No tickets on the door. Features disco and band (Sad Amongst Strangers).

•**Introductory Talk on Transcendental Meditation**, 12:45 or 5:30pm, Huxley 341. Everyone welcome.

•**Introductory Meeting to Parachute Jumping**, 5:30, Union Dining Hall.

•**El Salvador — Revolution or Death**: a film and discussion on the current situation, 6:30pm, Union Concert Hall.

Anne Nightingale
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What is the smallest number of houses there could be in Kuratowskigrad? Show that your answer is possible by drawing a possible network of telephone lines.

Solutions, comments, criticisms to me c/o FELIX office. There is a prize of £5 donated by Mend-a-Bike for the correct solution randomly selected at 1:00pm next Wednesday.