



Founded in 1949

NEWSPAPER OF IMPERIAL COLLEGE UNION

FREE!

Felix

No. 378

FRIDAY, 14TH FEBRUARY, 1975.

A POLITICAL ICWA ?

Rent Strikes

TWENTY FOUR Higher Education Institutions all over the country are now on rent strike over Hall of Residence fees in their colleges. The NUS is backing rent strikes in halls of residence as a result of the Government's re-

fusal to include students in self catering college-owned accommodation in the rent freeze.

At two London Polytechnics the rent strike is already over. At Central London Poly, the administration have frozen catering prices and accommodation fees at levels acceptable to students. Similarly at South Bank Poly, the authorities have agreed not to implement an increase of fees from £111 to £138 a term.

Students at five other Universities and Polytechnics may also begin rent strikes before the summer.

RAG Candidates

THE RADIAL ACTION GROUP has put forward its candidates for the NUS elections, which will be held at the National Conference in Llandudno in April.

The candidates are Andy Vallame-Owen (President, Birmingham University Guild of Students) who will stand for PRESIDENT of NUS and Ray-

mond Gann (Senior Vice-President of Aberdeen University Student Representative Council) who will stand for DEPUTY PRESIDENT of NUS.

Is ICWA to become a political organisation? This question is being asked in earnest following Wednesday's General Meeting at which including an action group in the constitution was proposed.

A number of Icwarians have formed a group called 'Women in Science' which claims that as it stands ICWA does not cater enough for the needs of women in college, or at all for some. They suggest much more should be done to alleviate the problems, both social and academic facing women in college.

This idea has caused some dissent within the ranks of ICWA. Although most agree that there is room for an extension of ICWA's activities

there are doubts about what this would mean with regard to the future nature of ICWA. Could ICWA become a totally political organisation? Although this seems unlikely a lengthy discussion is now in progress as certain members feel ICWA is, and should remain, a mainly social body.

Whatever the outcome it will greatly be influenced by the results of the elections for next years ICWA executive which will shortly take place.

Pancake Race!

THIS TUESDAY saw the annual ritual of the Pancake Race around Beit quadrangle. The actual race seemed, for the majority of the spectators, to be immaterial as they checked out unsuspecting passers-by to drench with dustbinfuls of cold water.

However, their fate was nothing to compare with that of the unfortunate Executive and ICWA team members, and in this year's race, particularly the ICWA team. The hose pipes were out in full force as the President of ICWA and later the President of ICU soon found out.

The race was ably umpired by Mike Williams, the Editor of FELIX, whose unfortunate task it was to show the two teams the circuit they each had to run by running them himself. He too got rather wet.

Although the ICWA team, initiators of the Pancake Race Challenge and last year's winners, battled valiantly on-

wards, the Executive streaked home to victory with only one unfortunate mishap - that of an ill-timed, mindless rugby tackle on the President of C and G Union, Jenny Jones.

Although taken to hospital after this, we are now assured that Jerry is in fact recovering though badly bruised.

This appeared to be the only marring incident of the race, and a rather jubilant Trevor Phillips led the two teams and spectators into a "Hey Vivo!"

And so ended this year's Pancake Race with a well earned victory for the Executive.

INSIDE FELIX

Letters	2	Prof. Laithwaite	6
Super - Woman	3	Focus	6
Precipice	4	New Theta	7
Crossword	5	Stanley	8
Bremstrahlung	5	Argent concert	10

ELECTION FEVER

SEE EDITORIAL, PAGE 2

EDITORIAL

Michael Williams

POLARISATION is, for a college the size of Imperial, a nasty syndrome. The discord created by the abrasive juxtaposition of the N.F. v. the Left can do the Union no good, can it?

Two bumph sheets have appeared this week: One from the N.F., one from the I.C. Communist Party. Neither are conclusive; both contain savage deceptions. It typically characterises the spectacular political chasm that exists between the two ideologies.

We can dispense with the Communist rot concerning last week's anti-N.F. meeting being "...the most successful mass action by I.C. students for years". The vast majority of those representing the Left were not from I.C. We can also flush away the N.F. garbage which accuses the ICU President of showing "--his willingness to engage in despicable fascist thugg-

ery...". That is a serious overstatement.

But the main point is this: the more polarised people become on this issue, the greater will come the potential danger of the release of the inherent tension associated with the situation. *Heaven help us when all Hell is let loose.*

Election fever is with us once again and, that dastardly cur, *Rumour*, is doing his rounds not only in ICU but in the CCU's also.

Rumour is most rife in ICU. For the post of President, P.T., P.W., D.S. and N.F. look likely contenders. The post of Deputy President looks a bit dodgy, but D.S. appears to be in with a chance. The Hon. Sec. next year could

either be M.S., P.B., M.K. or J.D. There are now three probabilities for FELIX Editor: P.E., C.D. and H.S.

In Mines, for President the solo runner is B.B.; V.P. looks like a battle between G.B. and R.A.; Hon. Sec. could be one of F.C., P.B. or C.W.

Guilds looks a bit sparse at the moment with only K.A., T.F. and F.S. making a move, whilst RCSU is cautiously suggesting S.B. or A.J. for President; J.W. or C.M. for V.P.; and A.S., N.R. or T.T. for Hon. Sec.

Did you spot the Union Refectory doing a super cleanup in anticipation of the visit of the Chairman of the Governing Body? *It did not make much difference to the food though!*

LETTERS

Imperial College,
3rd February 1975.

Dear Sir,

I should like to raise some points in reply to the recent letter from Mr J.J. Albrecht.

He claims that 'as a foreigner he is probably less prejudiced'. What special qualifications does being a foreigner confer upon a person to make him 'less prejudiced'? - or is Mr. Albrecht merely showing his prejudice?

The vast majority of people in this country have never exploited anyone - the people making the profits from the Empire not being the British Workers. Why, therefore, do they have to be 'responsible' for the millions of aliens allowed British Nationality under the 1948 act? If these people have their own independent homeland then they are presumably capable of taking care of themselves - but then I suppose that Mr. Albrecht is so prejudiced as to believe that they should not be granted the right to self-determination.

Mr. Albrecht seems to desire the enforced integration of peoples of totally different cultures. This seems to be a particularly racist and fascist attitude. Why cannot people be allowed to live in their own way, in their own land, without being forced to adopt customs that are essentially alien to them? As to the difficulties of life in a multi-racial society we need only glance briefly around the world to see the misery and strife arising from such societies. For example, up to 2,000 people were killed in race riots in Malaysia during 1969; 10,000,000 Ibos were slaughtered by the Nigerians in 1966; 500,000 have been killed and 115,000 made homeless in the struggle for self-determination of the Negroes of Southern Sudan in their attempt to form a

separate 'Republic of Azania', etc.. Presumably these are only 'minor' difficulties to the racist Mr Albrecht.

Finally, Mr Albrecht wonders where the NF stands over the question of Europeans: the policy is quite simple, they will not be repatriated (but those who wish to leave Britain may, of course, do so quite freely), but we would allow no more European immigration (except in certain special cases, e.g., refugees from the Communist States).

Yours Faithfully,

A.J. Baczkowski
N.F.S.A. at I.C.

79 Stansfield Rd.
Benfleet,
Essex.

Dear Sir,

I am very grateful to you for sending me FELIX every week - I find it very interesting reading. I was particularly interested in the articles on student grants, and the agitation for an increase. I wonder what present day students spend their money on, and what they consider to be the real essentials of life - after all, a grant is meant to be for essentials, not luxuries. Also I think it should be borne in mind that many parents pay a proportion of their offsprings' grants, and any increase will come still harder on them, both as parents and as taxpayers.

When I was at I.C. (about the time FELIX was born!) I had to cut down on food, make my own clothes, and do without anything that wasn't absolutely basic to existence. Nevertheless, I had a very good time.

So, what do today's students expect? Would any of them like to publish, in FELIX, a detailed budget

FELIX © 1975

Michael J. L. Williams
Editor

FELIX Office,
Imperial College Union,
Prince Consort Road,
South Kensington,
London SW7 3BB

Published by the Editor on behalf of the
Imperial College Union Publications Board.

Printed Offset-litho on the Union premises.

Paul Ekpenyong, Sub-Editor
Richard Waring, News Editor
Riz Shakir, Features Editor
Ramon Newmann, Photographic Editor
Rob Jones, Sports Editor
Roger Wilkins, Photo-Journalist
Chris Keenan, Business Manager
John McCloskey, Technical Manager

Ian Morse, Hon. Production Engineer
Many thanks to Gill, Julia, Sue and Andrew

COPY DEADLINE

MONDAY, 11.55 A.M.

01-589 5111 Ext. 2166

Int. 2881

(bearing in mind that the grant is only intended to cover the thirty-odd weeks spent actually in College)?

I do rather get the impression that students nowadays feel that the world owes them a living. This is not so; they have yet to prove that they have any worthwhile contribution to make.

Yours faithfully,

Joan M. Wells
(nee Slow)
B.Sc., A.R.C.S. (1949)

Imperial College
3rd February 1975

Sir,

I was sickened to see the letter in "FELIX" from a National Front member. N.U.S. policy rightly calls for no platform for racists and fascists - by flouting this you are helping them in their efforts to gain credibility.

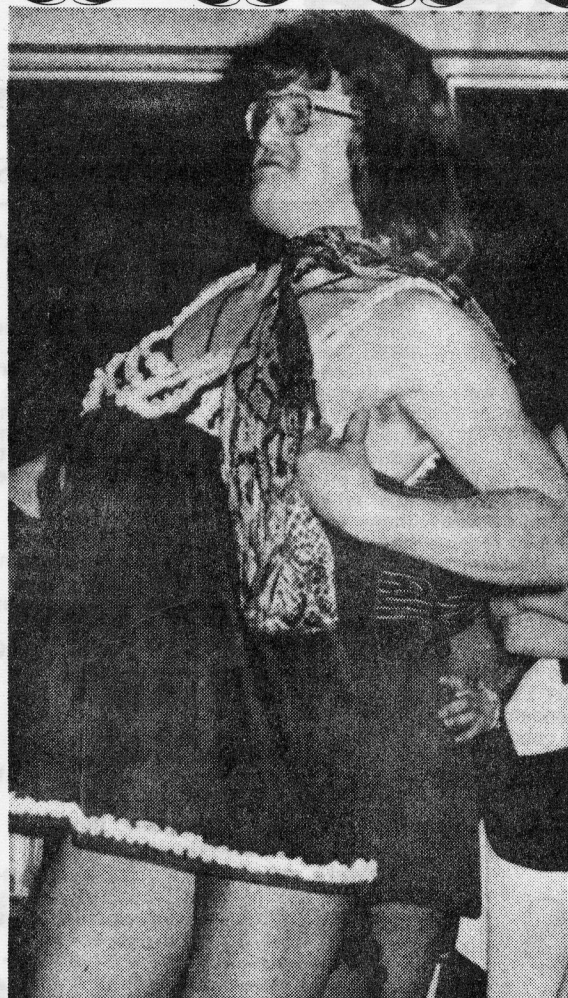
The recent propaganda campaign by the N.F. at I.C. is an insult to the thousands of foreign students and workers in the College. If the N.F. had their way, these people would be humiliated and driven from the country. The prospect of an N.F. government however is remote. Their real and immediate threat lies in their thuggery against black people and trade unionists of any skin colour. Black shop stewards in Manchester have recently been slashed and beaten up by thugs believed to be members of the N.F., and the Front has been active in breaking their strike.

Fascism appeals to the frightened little man; it offers the chance to feel power as part of a para-military organisation. Hence the emphasis on marches with drums and Union Jack spears. Hence the plans of the N.F. are to set up a London headquarters with dormitory

Continued on page 9

THIS NUBILE young lovely is Henrietta, a real stunner from Manchester, who is studying as a third-year Metallurgist. She says she finds her equipment "a little embarrassing." Her hobbies include playing with pistols and looking for a good under-arm razor.

What does she think of FELIX printing pictures of girls on page three? "I agree wiv Tvev Phillips that page twee is sexist claptwap". Ooooh! P.S. Thanks to Angela for the nightie. P.P.S. Howard has promised never to do this again.



CITY and GUILDS:

REVUE

THURS. 20TH
8 PM
CONCERT HALL
BLUE MOVIE 30p
STRIPPER
DRAG ARTISTE

ANNOUNCEMENT

The Editor of FELIX would like to apologise to Gill McConway, Anne Nolan and Robin for the inconvenience and the hassles that arose during the production of this edition of FELIX. "I am entirely responsible for what happened" - Mike Williams.

PiG AFFAIRS CORNER

Tom Abraham

THE POSSIBILITY of a research charter for postgraduate students, has been discussed by the PG group committee. The general feeling was that while it was a good idea, the implications of such a proposal would have to be examined in detail. At present there is a C.V.C.P. study group looking into all aspects of postgraduate education. So far they have not bothered to ask for submission from any postgraduate groups. However, it is hoped that they will eventually show some interest in our views on the various issues. The L.S.O. - ULU postgraduate sector is holding a meeting to draw up a London postgraduate submission to this Study Group. This could provide

the forum for discussion on the research charter. Any proposals that might come up will be presented at the next meeting of the IC and GG.

The Civil Engineering postgrads held a meeting to form a postgrad group last Tuesday. About forty students turned up and the response when it came to forming a committee con-

sisting of representatives from each section, was very encouraging. At this meeting it was noted that postgraduate representation on staff student committees was totally inadequate. In fact while departments are eager to listen to undergraduate opinion, they seem to ignore postgraduate opinion. With so many departmental PG groups in existence, now is the time to press for more effective representation.

On the subject of the postgraduate group, we at Imperial have one of the most active groups in the country. Compared to the other London colleges, we are in a class of our own.

The structure of the postgraduate group is such that we have very effective contact with grassroots opinion. This is a major achievement considering that postgraduates are among the most difficult of groups to organise. The people who deserve the credit for this, are the various departmental representatives.

As mandated by the I.C. postgraduate group, I have been looking into ways and means of obtaining special 'thesis grants' (to cover the full costs of writing up). A letter requesting such a grant was sent to the chairmen of the SRC, NERC,

ARC and SSRC. So far I have had one reply - from the SRC chairman. The gist of the letter was that the SRC was basically sympathetic to our case, and will convey our views to the government grant review panel when it next meets, sometime latter this year. In my letter I had mentioned a figure of £100 as being the average cost. Some doubt was expressed about this figure and I was told that it would be helpful if some authenticated average bills could be provided. I would therefore be grateful if anybody who has some bills could send them to me c/o Union office). My personal feeling is that we have a fairly strong case, and in spite of the adverse economic climate, may get some cost of 'thesis grant'.

Finally, I talked about the 'loving capacity' of postgraduates in my last PiG Affairs Corner. There seems to be enormous interest among the I.C. girls, who seemed on the whole to agree with my views. However, their main complaint was that they rarely ever see any real specimens of "homo sapiens sapiens" ie Postgraduates. So all you PG's, now is your chance! Get out there and start loving!!

PRECJ PJCE

Trevor Phillips

There are those who feel that I may be "overselling" the campaign against education cuts. However, I cannot escape the feeling that people, both those with power and those without it, are flinching while Rome is burning. The complacency of some people involved in education today, students, staff, and bureaucrats, is absolutely staggering.

Last Friday, I went along to the Inner London Education Authority, for a meeting with the leader of the ILEA, to discuss the effects of the ILEA's actions in London. You will remember reading that we are specifically affected by the withdrawal of the £270,000 ILEA grant from the university of London. The ILEA is in the process of cutting back on its education services in London: colleges closed or merged, courses dropped, students lost, etc. Part-time schooling and classes of 45 have been the norm for many school children, for some time. Yet the representatives of the

ILEA had the nerve to sit and say that the education services in London were actually improving! When I suggested that they should tell that to the schoolchildren, their teachers, or the students who were being chopped, they wrung their hands in horror that I should be so uncouth as to suggest that they worry about mundane matters matters like that.

The ILEA is known for its progressiveness (as some of my colleagues on the deputation, which included representatives of the teachers lecturers, and the TUC General Council kept on saying) If this is the way that they are regarding the crisis in education, in a situation where their own services are near to breakdown, how is the far-from-progressive DES regarding it? I shudder to think. As far as I am concerned some of these people need a good swift kick to shake them out of their complacency - like many of our own students.

One of the by-products of last week's "NF" episode was something that the Union has been searching for for some time - the beginnings of genuine links with the other Unions on campus. In the past, there have been attempts to form joint committees of one kind or another, for various abstract reasons. However, as I have stated on many occasions, in the present economic situation, with the education system under heavy attack, the major prerequisite for effective defence against that attack is the unity of all those who are about to come under the hammer.

We often speak of joining with organised labour, cooperating with campus unions and so on, as far as I am concerned, we must never degenerate to the level where we are simply regurgitating trendy ideological rhetoric. Given the image created for the student by the mass media, of the bolshy, doped - up freaked - out, idle, anarchist, it is little wonder that many people are unsympathetic, or even hostile to students.

I have found, however, that the people who actually work with students, who know our circumstances and environment, have a totally different, and truer perception of us. For that reason, when we speak of gaining public support for our campaigns, it seems clear that it is the people who are closest to us that we should approach first. And the way that we have to do that is through our respective representative bodies - i.e. the unions.

To return to my original points, in the campaign against education cuts, unity is of utmost importance. The jobs of the staff exist because of the students; the cuts mean fewer students and fewer facilities, and therefore, fewer jobs. It is in the interest of the people who work for the College, at all levels, to support the campaign against cuts in any meaningful way that they can.

I was gratified to read that someone thinks that the page 3 pictures of girls in FELIX is pointless. I agree; further than I think that it is in poor taste to parallel the features of the Daily Mirror and The Sun. These papers may sell a lot of copies; but it seems to me that I.C. students deserve a bit more credit to their intelligence and taste, than to have their own paper pushing out sexist claptrap.

In International Women's Year, it is particularly inappropriate to present women as mere camera - fodder. It does nothing to enhance their status as serious, "thinking" people.

I have nomination forms for the Presidency and Deputy Presidency of ULU in my possession; anyone who wishes to stand for either post can get a form from me.

I need help in the publicity and organisation for the Week of Action and the demo on FRIDAY, FEBRUARY 28th. Anyone who can help, please let me have your name in the Union Office.

GRANTS / CUTS

Discretionary awards

A FULL GRANT FOR ALL STUDENTS
SUPPORT THE LOBBY
OF THE ILEA ON TUESDAY 25TH FEBRUARY

The discretionary award student lies on the other side of the "binary systems". There is no obligation on the local authority to pay the whole of a student's grant or even any part of it.

The most immediate example of the discretionary award is the postgraduate. The award of a PG grant is not automatic upon the student being accepted on to the course. With the SRC cutting back on their number of awards in science and engineering, the picture now looks bleak.

One of the major claims of the campaign is an end to discretionary awards. That means an end to prospective PG's desperately rushing around in order to find a grant.

Get rid of the discretionary award once and for all.

Overseas students

What are the major problems that overseas students face?

1. Higher fees - over £250 compared with nearly £90 for the "home" student.
2. The ILEA has just increased these fees by 20%.
3. Overseas students are not allowed to work during vacations.
4. Discrimination by landlords who charge a higher rate of hostel fees for overseas students.

Thus the system is essentially designed to ensure that only wealthy students study in-Britain.

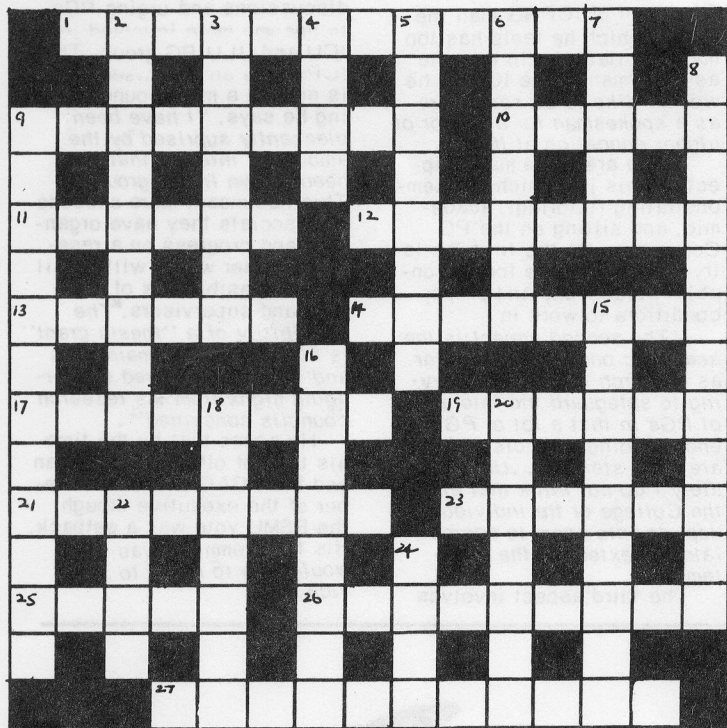
End this discrimination - parity for overseas students.

NATIONAL DEMO
ON FRIDAY FEB 28TH

PRIZE CROSSWORD

No. 11

Xam



ACROSS

- 1. Of the country which produces, note, spherical sago, though not initially (12)
- 9. Another college family comes in to less good fortune (9)
- 10. Remove slowly from swollen tongue (5)
- 11. Cast is back round, and German injures (6)
- 12. ...engineer, after weight gives him power (8)
- 13. Beginning, not at home, but placed .. (6)
- 14. .. to the east, like first class return to the area of Japan (4,4)
- 17. Spoil fastener an'a sweetmeat (8)
- 19. Unfinished treacle could provide the drink (6)
- 21. Tenet: it's odd where campers stay (4,4)
- 23. A talk, to study most of a story (6)
- 25. Locate unfinished change to 8's base (5)
- 26. Wee prince re-ordered a surprise from the chef (3,6)

27. No tin suit, it could be the establishment (11)

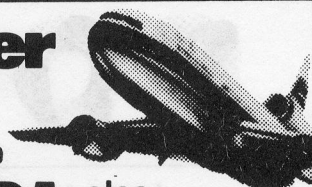
DOWN

- 2. Half-seen, taken a meeting (9)
- 3. Gravity puzzle posed by a hot-plate (7)
- 4. Slap, extremely hard, to show the highest point (4)
- 5. Place for sick little Thomas and one pal (sick) (8)
- 6. Yell Cockney greeting in an act of unkindness (4,3)
- 7. Note: log an alteration (5)
- 8. Against the shed, it can be shown that ... (12)
- 9. ...odd flaws in Tom, ducks, could be those of Isaac (4,2,6)
- 15. Shuffle it for fags' wall decoration? (9)
- 16. Throw as a fisherman would, an instrument (8)
- 18. Helpful chemical in situ through without it there's nothing up (7)
- 20. Toe loss involved the least well fixed (7)
- 22. Public school comes up with message (4)
- 24. Pulls up one who works hard (4)

Take a Laker

Low-fare
for low cost air travel to

USA & CANADA

 also Barbados


Visiting relatives, going on holiday, taking an educational trip, doing business? Save £££s with Laker low fare Advance Booking Charter flights:

TORONTO, MONTREAL, VANCOUVER, WINDSOR, WINNIPEG, NEW YORK, LOS ANGELES, BARBADOS

You fly by the leading carrier of ABC passengers, on the most up-to-date jet aircraft with in-flight hot meal service, including complimentary drinks, and on DC-10s, multi-channel stereo and in-flight movies all included in the price of your ticket.

Just book at least 60 days before your flight and spend at least 14 days overseas.

Plan your trip now. Ask your ABTA travel agent for our 1975 brochure of schedules and fares.

The security of your flight is assured by the multi-million pound assets of the Laker Group of Companies.

Laker Air Travel Ltd., ABC Division,
Gatwick Airport-London, Horley, Surrey. Tel: 01-668 8231

ATOL
193 ABB

No. 1 in Advance Booking Charter Flights

Laker



WANTED:

A Sports Editor for the production and presentation of the new sports feature to be included in STOIC's weekly magazine programme "LUNCH-BREAK".
Contact: Keith Arundale
Producer, Student T.V. Of Imperial College
Phone Int. 2853 or 3061 (lunchtimes)

FOR SALE

Colorsound Organ Wah/Swell Pedal
£12.00 O.N.O
Contact: Keith Arundale
Room 630
Applied Optics Sect.
Physics Department.
01-589 511 Ext 2308
Int. 2196

WELLSOC

presents
Prof. J.E.G. RAYMONT
a lecture entitled
"PRODUCTIVITY OF THE SEA".
Mech Eng 220
Mon. 17th Feb. 7.30 p.m.

£1 Winner will be drawn from the Editor's Hat at noon next Wednesday. The Editor's decision will be final.

Last week's winner of Xam number ten was Mrs E.M. Galloway, an Aero PG, who wins the £1 prize.

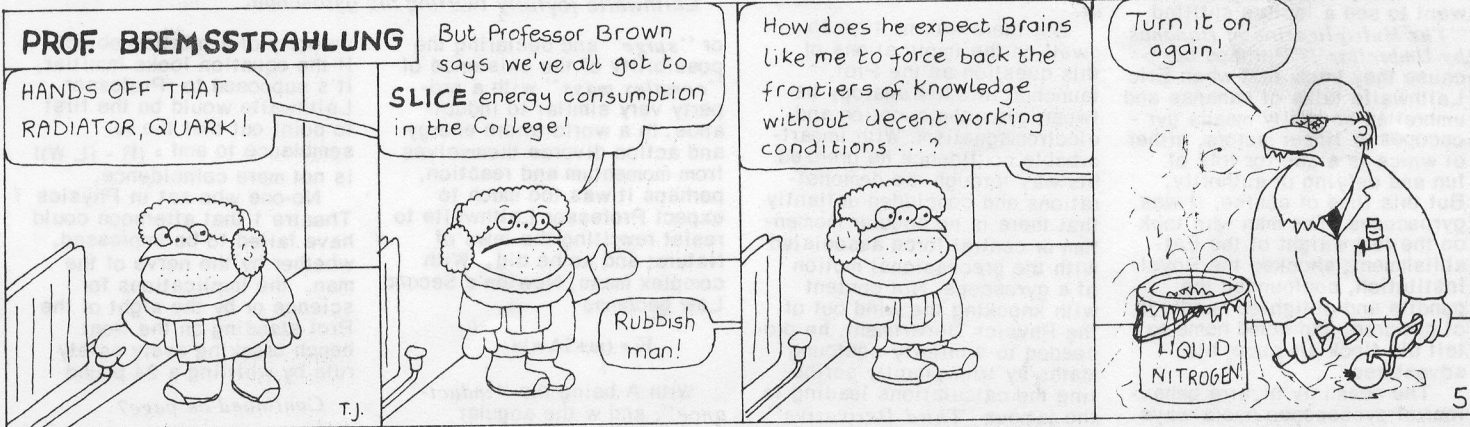
SOLUTION TO CROSSWORD No. 10

ACROSS

- 1. Teacher
- 10. Straggler
- 11. Circles
- 12. Relaxed
- 13. Enlists
- 17. Snaffle
- 20. Ike
- 21. Trapper
- 23. Sumbels
- 26. Mud-pack
- 29. Tenable
- 31. Aeroplane
- 32. Own up
- 33. Brenda
- 34. Sons-ils.

DOWN

- 1. Treacle
- 2. *ster
- 3. Heralds
- 4. Roses
- 5. Quarer
- 6. Regalia
- 7. Felix
- 8. Gradle
- 14. Nor
- 15. Imp
- 16. Sir
- 17. Set
- 18. Fob
- 19. Lee
- 21. Tom-cat
- 22. Play-pen
- 24. Monsoon
- 25. fteppes
- 27. \$urer
- 28. Koala
- 29. Treat
- 30. Bondi



FOCUS

on Tom Abraham

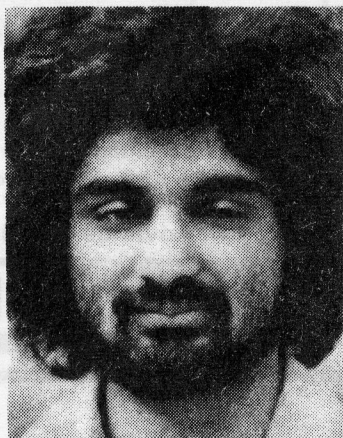
interview by Riz Shakir

edited by Paul Ekpenyong

The Chairman of the ICPGG is an affable, intelligent man of slim build with a rather characteristic beard. I met him in the lounge bar (now the in scene for FELIX interviews) where after a false start or two we were able to proceed with putting the focus on Tom Abraham.

Tom was born in India where he lived for two years and then subsequently lived in Ethiopia, Ghana and currently England where he has been receiving his graduate education. He obtained his first degree in Electrical Engineering at Surrey and is in his final year at IC as a research student. His subject of inquiry is electrical materials. He likes the life at IC though he feels that "the social life here is made a mockery of by the male and female ratio which is rather unfortunate." He also feels that the cliquy atmosphere that "is a bit worse here than elsewhere ..." is not one of the better aspects of IC life.

When I asked him about his job as the PGO he was at



pains to stress that he saw himself more as being the

Chairman of ICPGG than the PGO which he feels has too many limitations. In his role as Chairman of the ICPGG he would "like to be seen more as a spokesman for a sector of higher education at IC".

There are three main aspects to his job which are demonstrating (tutoring), academic, and sitting on the PG Committee. On the first, he is trying to negotiate for reasonable rates of pay and proper conditions to work in.

"The second aspect is the academic one, that is, as far as research is concerned trying to safeguard the interests of PGs in that a lot of PGs end up doing projects which are none starters. Unfortunately I do not think that either the College or the individual departments seem to appreciate the extent of the problem..."

The third aspect involves

organising socials, meetings, discussions and urging PGs to become more involved in ICU and ULU PG group. The ICPGG as an organised body is now on a more sound footing he says, "I have been pleasantly surprised by the amount of interest that has been shown in the group".

This has meant more success with socials they have organised and progress on a research charter which will detail the responsibilities of students and supervisors. "The possibility of a 'thesis grant' is also one of our main aims and we have received encouraging signs from the research councils concerned".

He hopes that by the time his term of office comes to an end the PGO will be a member of the executive though the RSMU vote was a setback. His last comment was "I would like to retire to Jamaica".

The wheel turns full circle

Tony Jones

THERE ARE not many people who can get 400 people into a 250 seat lecture theatre and keep them there for two hours. But one such man is Eric Laithwaite, and he proved it last week at a talk presented by the RCS Mathematical and Physical Society. If the talk was late starting it was only because the Professor himself was trapped in the crowds jamming the portals of Physics Theatre 1, and experienced great difficulty in getting in to see his own lecture. But when at last he emerged into the limelight the thunderous applause with which he was greeted amply confirmed the enormous prestige of "our Eric".

But why should 400 people want to see a lecture entitled "The Multiplication of Bananas by Umbrellas"? Perhaps because they know that when Eric Laithwaite talks of bananas and umbrellas he really means gyroscopes or linear motors, either of which is a cue for lots of fun and defying of authority. But this time of course, it was gyroscopes. The man who took on the full weight of the Establishment, shocked the Royal Institution, confounded the pundits and delighted hundreds of children, had come home to tell his flock all about his adventures.

The seemingly bizarre behaviour of gyroscopes has always

proved to be a rich source of amusement and a cause of much racking of brains. No doubt with this in mind Professor Laithwaite opened his talk by demonstrating that a spinning gyroscope tends to keep its axis fixed in space. But fixed relative to what? Is there absolute space? Or as the Prof. puts it, "What is it pointing at?"

But there was no time to dwell on the implications of this question as the Prof. launched into his analogy between gyroscopic motion and electromagnetism. With impartable confidence he breezed his way through the demonstrations and concluded defiantly that there is no angular momentum or central force associated with the precessional motion of a gyroscope. Not content with knocking the wind out of the Physics Department, he proceeded to similarly confound Maths by triumphantly scribbling the calculations leading to the famous "Third Derivative"



Laithwaite joyfully twirling his gyroscope.

or "surge" and declaring the possibility of the existence of "complex mass" with a property very similar to inductance. In a world where energy and action divorce themselves from momentum and reaction, perhaps it was too much to expect Professor Laithwaite to resist rewriting the laws of Nature; and so he did. With complex mass, Newton's Second Law becomes

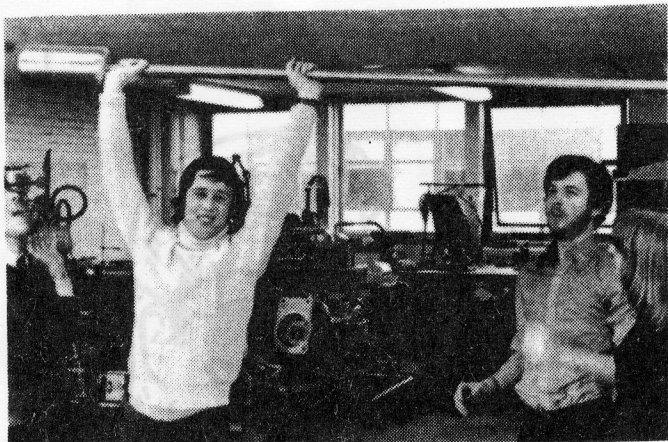
$$F = (m + iAw)a$$

With A being the "inductance", and w the angular

velocity of a rotating object. If the equation looks familiar, it's supposed to. Professor Laithwaite would be the first to point out that the resemblance to $emf = (R - iLW)$ is not mere coincidence.

No-one who sat in Physics Theatre 1 that afternoon could have failed to be impressed, whether by the nerve of the man, the implications for science or by the sight of the Prof standing on the front bench breaking every safety rule by whirling a 24 pound

Continued on page 7



THE NEW Theta, completed just in time for its debut at last night's Theta Dinner, weighs an incredible 105lbs.
The solid stainless steel base and the lead-loaded shaft will put an end to the traditional heaving of Theta above

the President's head during a *Kangela*. A quivering Pete Teague managed to hold it in the horizontal position for only a few seconds during the demonstration for FELIX. A slow *Kangela* would surely defeat anyone's muscular prowess.

BLACK MENACE against FASCIST BOGEY

Charlie Wrigley

It is not often I put pen to paper, but in the last edition of FELIX (no. 377) there was a lot of matter which provokes comment. The political scene at College seems to have turned to near hysteria by the sudden appearance of the National Front, and the announcement of Trevor Phillips' candidature in the coming NUS elections, not to mention their recent entanglements. It's perfect: black menace versus fascist bogey: the plot sets sweeter than "West Side Story".

But in its enormity, the enactment is grotesque, in that this affair has to be resolved by the "because its good for you" smack across the head principle and 900 I.C. Students can't be wrong syndrome.

I take, for example, the reporting (not just by FELIX) of "Red Lion Thursday" at I.C. when it was said police were present to prevent National Front members from going into Mech. Eng., and then was further said open meeting was held in room 342 of that building, "no-one being denied entry." A somewhat Calvinistic view of predestination? But this is the great anomaly the NUS slams down in front of us: believe in freedom of speech as a fundamental right on the one hand, whilst denying a platform for fascists and racists on the other.

To anyone suggesting I support the National Front, my reply is curtly negative. But the point is, labels are too easily applied to people who deviate from the norms set down by groups in society. Confrontation will never produce solutions, or compromises, only a total victory for one side. But is this the result which we are urged to struggle for? People ask for democratic rights but if you are not a member of the majority, democracy is as oppressive a dictatorship. Even the majority have to confide in

their elected peers, but both have to accept their restrictions and impositions. Since democracy is our choice.

I hope this can lead my prose to its conclusion, because also in the last edition of FELIX it was reported that at the Union Meeting the NUS AND THE National Front did concur on something; namely their respective official viewpoints on the Common Market. In those times when absurdity is the vogue, it is a mazing the word official and its connotations should not be more visible. Individuals have to make choices, one hopes without hard instinct, and certainly not with the amazing tinned argument of doubtalk that too often appears. "Whiter than white washing powder does not work for grey shirts."

My dictionary defines fascism as "representing a nationalist reaction against socialism and communism". Replace the words nationalism, Socialism and communism by variables, say, x, y and z and you have a formula for any political movement. There are many reasons for a person to switch one pole to another extreme. One of our current president's favourite terms last year was opportunism. Maybe, but beliefs are entirely personal and whatever the reasons for holding them history provides ample examples of ritual slaughter of those who decline to conform. Saints and sinners alike are formed, but together they are dashed on the rocks below the cliffs of an uncertain complacency.

What your VOTE means.

There are a lot of elections taking place this term, all using the STV (single transferable vote) system. This admittedly is rather complicated but I will try to explain what effect you will have by voting in different ways. The first choice you have is whether or not you fill in a voting paper. If you do not, you obviously have no influence on the results of the election except that if less than 1/4 of the Full Members of the Union vote in the election for President, Honorary Secretary, Deputy President or Editor the election is invalid. Assuming you do fill in a paper, you have a choice between voting and abstaining. If you abstain it means that you either have no confidence in any of the candidates, or you do not feel you have enough knowledge of any of the candidates to express any preference. An abstention counts towards the '25% threshold' but will not alter the result in any way. Assuming now that you have a preference you have to fill in the paper properly and not 'spoil' it. This means that there must be a figure '1' against the name of one, and only one candidate. Further numbers can be written, but no number can be left out or used twice. You must not mark your paper with an 'X'.

F. Bloggs	
A. Nother	1
A.N. Other	
J. Smith	2

VALID

F. Bloggs	2
A. Nother	4
A.N. Other	1
J. Smith	3

VALID

F. Bloggs	3
A. Nother	1
A.N. Other	2
J. Smith	1

INVALID

F. Bloggs	3
A. Nother	
A.N. Other	1
J. Smith	

INVALID

If you only mark your paper with a '1' and no other numbers it means you have given marks to one candidate and none to any of the others. So if there is one candidate you specifically do not want elected it is best to put no number against his name. If you feel, however, that you have some preference amongst the other candidates, having put a '1' against the name of your first preference, make '2', '3', etc., against their name. I hope this has made some sense to you, and clarified to you what power your vote has. If you have any further queries do not hesitate to come and see me.

J.A. GERRARD

Continued from page 6

wheel around his head. I don't know if he is right or not, but there is no doubt that the possibility of inestinal drive will continue to feed the fires of controversy for a long time to come. At the moment Eric Laithwaite must feel rather like the man who invented the wheel, but perhaps in a thousand years tourists will be flocking to see the tombstone enscribed:

"To Hell with a place to stand; give me a wheel and I will move the Earth"

CONGRATULATIONS!

FELIX offers its sincere congratulations to Ron Appleby today, his Wedding Day. We feel sure that FELIX readers will forgive him for devoting his energies to activities other than 'Stanley' next week.

FOLK CLUB
presents
CHRIS ROHMANN
on Wednesday, Feb. 19th
in the Union Lower Refec.
at 7:30 p.m.

ents concerts

Sat 22nd Feb -

TOM PAXTON

ic adv £1.20 adv £1.30 door £1.50

Sat 1st March -

JOHN MARTY

with PAUL KOSSOFF?

80P ic 90P adv £1 door

NO DISCO TONIGHT
NO FILMS NEXT WEEK -

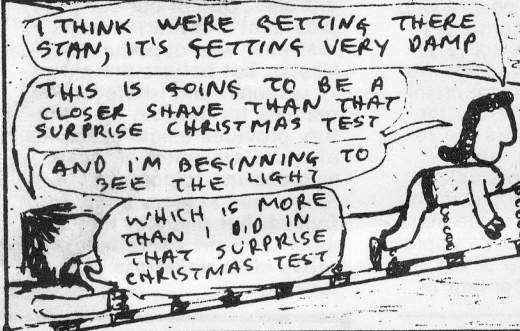
MCQ
FEB 27 & GET CARTER
ME220

6.30
tickets - ic union 1230 - 1330



'Stanley' --- "A STUDENT OF TODAY" --- BY RON APPLEBY

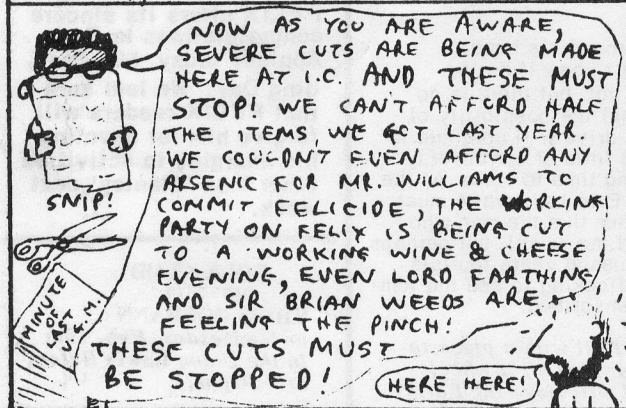
AFTER LAST WEEK'S DIVERSION WE REJOIN STANLEY AND CURLY IN THE HEATING TUNNELS



AND SO STAN LOOKS OUT OF A HANDY MANHOLE TO SEE WHAT'S HAPPENING IN THE BEST QUAD.



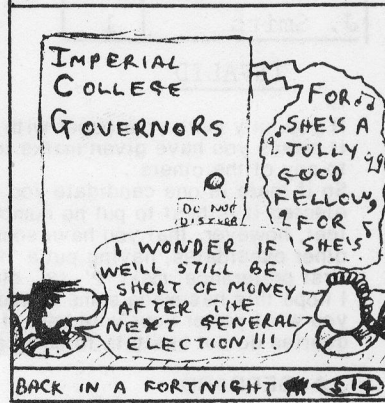
LATER THAT WEEK FRED IS AT A UNION MEETING DISCUSSING THE CUTS CAMPAIGN



A BIT LATER STAN POPS OUT OF ANOTHER MANHOLE...



MEANWHILE ELSEWHERE ANOTHER HIGH LEVEL MEETING IS IN PROGRESS...



Continued from page 2.

accommodation for "activists".

Let no-one be deluded by the Front's claim to oppose international Capitalism and Communism. The Nazis claimed that also - and their first acts were to physically exterminate the powerful German labour movement, the only force capable of defeating capitalism. The Front, like the Nazis, is financed by industrialists and businessmen. They can now gain strength however without recruiting workers, duped by the "opposing capitalism" sham. Fascism means death - literally - for the labour movement. In that context it is good to see I.C. N.U.P.E. stewards "deploring the activity of the National Front in I.C."

It is time that we in College stopped regarding the Front's propaganda with apathy. If and when they dare to show their faces they must be treated with contempt and stopped from distributing their racist poison. At present they are only a few warped and pathetic perverts. They must not be given the chance to gain strength and respectability.

The International Socialists Society are holding a meeting this week to explain who the National Front are and why they must be stopped. We urge all those who are sickened by the Front's presence here to come along.

Yours

N. Shore

Imperial College
6th February 1975

Dear Sir

I have just witnessed the verbal clash outside Mech. Eng. between the National Front and the International Socialists. Both are organisations which, in one way or another, claim to represent the "working class". I feel compelled to make the facts known as I see them.

During 1974, I worked for 3 months on the factory floor of the St. Albans Rubber Co. I will be working there again this Easter and summer.

The work-force (of about 400) is about a quarter Bengali, the remaining three-quarters being "British". Contrary to what the NF says about immigrants taking jobs away from British people, there is a labour shortage there. I was not aware of any racism on the part of the full-time workers. The only racist feelings I noticed were expressed by some of the other student workers who referred to the Bengalis as "Nig-nogs", "Pakis", etc.

Most of the workers were members of the 'moderate' General and Municipal Workers Union. With over 800,000 members, it is the third largest in Britain.

None of them went around selling 'Socialist Worker', being militant, or, quoting Karl Marx. Most of them just put in an honest day's work for an honest day's pay.

While the St. Albans Rubber Co. may not be a typical factory, I do not believe it to be by any means a typical.

For these reasons I believe that neither the I.S. nor the N.F. represent the true views of the working man.

Yours faithfully,

Hal Rounds
Elec. Eng 1

Imperial College Union,

7th February 1975

Dear Sir,

Thank you for your kind comments with respect to my nomination to a Vice-Presidency of the NUS. It might surprise you to know that I myself did not expect to be approached to stand for this post. However, I found that both within the Broad Left and outside of it there was a great deal of pressure on me to put my name forward. Clearly, one respond to the wishes of "the people" and given my history I would not stand as anything but a candidate of the Broad Left.

You know my attitude in respect of my work for the wider student organisations such as ULU. I believe that the most important problems which students face today, such as grants and education cuts, are not problems which can be solved by individual colleges but only by a united fight by the mass of students. It is therefore incumbent upon student leaders who are truly committed to working in the interests of their members to help in the development of organisations that can generate that unity and fight on the wider questions. It is in this perspective I see the work that I do for ULU.

Let me make it clear that that work has never taken priority over my duty of IC students. I conduct these duties in the time that other people will normally reserve for relaxation, but I regard it not just as a separate set of duties but as part of my responsibility to those who elected me.

It should also be made clear that up until now I have not taken any public position on the question of the FELIX Editor, though my views are known within the executive. My own activities in no way influenced my opinion on that matter. As President of this Union my sole commitment is not to myself but to the organisation of the Union and ultimately to the members of the Union.

Yours,

Trevor Phillips
President, ICU.

Department of Chemical
Engineering
City & Guilds College,
London S.W.7.

7th February, 1975

Dear Sir,

I feel that by publishing such self-contradictory nonsense as Mr Campbell's "Metamorphosis" that you are lowering the standard of an otherwise excellent paper.

It is quite obvious that Mr. Campbell has either not read

any of NIETZSCHE's works or else does not understand them. To parallel NIETZSCHE's philosophy with that of the Nazis is to fall foul of Nazi propaganda.

If I may quote R.J. Hollingdale, the translator of "Thus spoke Zarathustra" who in his introduction writes, "The fact of the matter is that in the history of German thought NIETZSCHE stands at the extreme opposite end to the Nazis. Everything the Nazis admired, he hated: and he reserved some of his most vitriolic and scornful abuse for the very things for which the Nazis will probably be best remembered, national idolatry and anti-Semitism, whilst regarding culture as a product of racial mixture."

I feel that the record must be set straight for to do otherwise is to belittle one of the truly great thinkers of the last century.

Yours sincerely
T.J.D. Pye
Chem. Eng .1

Physics Department,
Imperial College.

8th February 1975

Dear Sir,

I note on the front page of FELIX a plea not to rip down NUS posters saying that "the NUS are entitled to have their say no matter how much you may disagree with it." Would the NUS also extend this democratic sentiment to political parties it disagrees with such as the National Front?

Yours faithfully

S. Hockfelder

Imperial College,
10th February 1975

Dear Sir,

Who the hell does Trev Phillips think he is? Just because the National Front views do not coincide with his own he prevents them from holding their planned meeting. Oh, I know he hammed up some boring story in an attempt to make his cancellation of the meeting sound, logical and sensible (it didn't) but anyone who saw him posing at Mech Eng pretending to be representing the views of I.C. could be forgiven for wishing that the National Front would take over for just long enough to place him in the hold of the first banana boat for Jamaica.

Yours furiously
Alex Jeffries

Imperial College Union

3rd February 1975

Dear Sir,

It's nice to see somebody sufficiently concerned about Ents to write to FELIX, even if the criticism in this case was uninformed and unjustified. More criticism would help us to improve the entertainment we provide, so we invite anyone

who has any suggestions to come and see us in the Union Office any lunchtime.

I'd better say some fairly obvious things about the way we work: firstly, the size of bands we can put on. If we put on small bands, we compete with a multitude of small venues in London, and experience has shown we lose money. And obviously we cannot put on the supergroups, because the Great Hall is too small. This effectively limits us to bands in the £400 - £1100 range.

Secondly, the way we book bands. We book through the Bro Bron Agency. This means that we are backed up by a lot of professional expertise and knowledge when negotiating for bands, which in practice makes it possible to get a lot more bands than we would otherwise be able to.

Thirdly, how we choose bands. When we have free dates our chairman, Malcolm, asks for suggestions at our weekly committee meetings, and takes the list (which regularly includes all those bands Mr Stevenson suggests) to Bron, and Bron tell us what is available, and negotiate the contract with the group's agent.

This should give some idea of the constraints we work under, and make it apparent that it is not a simple matter of approaching a band to book it.

To answer some of the individual points in Mr Stevenson's letter. Booking Chapman-Whitney, Mike Heron and the H.M.K., all new acts, and Sweet, was adventurous, while booking staid and tired Fairport (who played here last year and before, dummo), and 10c.c. would definitely not be. Hatfield and the North do not look to be an economic proposition. 10c.c. are too big, preferring to play larger halls. Any more suggestions, A.P.?

As for us not having enough variety, I think a line up ranging from Thin Lizzy to Tom Paxton, and from Leo Saizer to Barclay James Harvest is quite varied, to say the least.

We want to put on three big concerts at the beginning of the Summer term, before exams start. Now is your chance to come and tell us what you want.

Yours sincerely,

Andy Higman

On behalf of the
Ents Committee

SOCIALIST SOCIETY MEETING

Ann Scott -

"Spare Rib" Magazine
on 'WOMEN'S LIBERATION'
Thurs. 20th Feb. - 1.00
Union Senior Common Room
(1st Floor)

Blue - Book / Diary (?)

People interested in helping to collect or edit material for the Blue Book/diary next session are asked to drop a note, as soon as possible to Gordon Jackson (Chem. Eng. P.G. or I.C. Union Office).

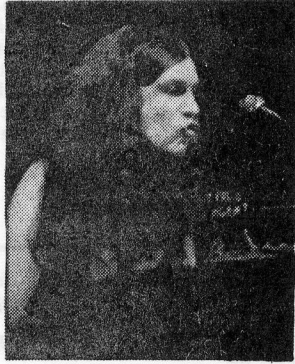


Paul Ekpenyong

Argent: In Concert in the Great Hall.

I was going to slate pop groups for the manner in which they dress until Argent came on stage. This was a classic case of extremes. The support had looked as if their clothes were borrowed third hand while Argent were dressed in the most ultra modern effeminate gear they could find.

The group were welcomed with eager enthusiasm that did not seem to die until the final anticlimax that ended a performance that was notable for its excessiveness. The only other achievement worthy of note was Rod Argent's virtuosity on keyboards (he even plays with his feet and posterior.) They started off with an interesting instrumental that is taken of their forthcoming album called 'Service'. We were then treated to a couple of Argent



oldies one of which was 'Music from the spears'

CONCERT

The next song was 'Trapeze', an arrangement, by Jim Rodford their bass guitarist, of an old Indian piece called 'Fakir'. A well executed number and the last of the concert for the mixer then took it into his head to overload the bass which totally drowned out the other instruments except the drums.

The encore was a washout and the group did not reappear despite persistent calls from the audience and so ended another Saturday night concert at I.C. with Ents left to clear the mess up. One good thing about the whole affair is that it was a full house and Ents have made some profit out of it. One last point, Argent have two new members, the lead guitarist John Grimaldi who is only 19 and the drummer, John Varity. The former has a lot of promise for the future.

RECORDS

Paul Ekpenyong

Billy Cobham: Spectrum (Atlantic)

BILLY COBHAM served a long apprenticeship as a session musician, playing with artists from James Brown to Deodato, and then gained wider acceptance as the driving force and timekeeper-extraordinary behind John McLaughlin's Mahavishnu Orchestra. However, he is now fronting his own band, *Spectrum*, which appears to be doing well in the States and has three fine albums to his credit, of which this is the first.

Many jazz musicians these days are making their music more accessible by the introduction of more popular forms into the basically complex nature of jazz, and in evidence on this album, are brought together some of the heavier elements of rock, the classics in part, the Latin beat, and the funky, faultless drumming of Cobham himself.

'Spectrum' consists of large hunks of jazzy-funk dotted with lightning-quick solos, and interspersed with various electronic rarties (possibly due to a cautious approach on a first solo album). Cobham lays down a sea of percussion through which moves the bass of Lee Sklar (a long way from 'Sweet Baby James') and the heart of the matter is fired out by Tommy Bolin on guitar and Jan Hammer (keyboards).

Cobham knows when to lay off the volume, allowing the other musicians room for movement and finesse, and yet as soon as a number begins to drag, the beat and power return immediately.

This is class music from an artist considered by many as one of the finest drummers in the business and shows a vast improvement, due to the strength of the compositions, or his work with John McLaughlin.

Ross: The Pit and The Pendulum (RSO 2394 144)

ROSS ARE a five piece band built around British session guitarist Alan Ross who writes and sings 90% of the material included on this album. This, their second record for RSO, is that strange bird the 'Concept' album. Like so many bands before them they have managed to produce music and lyrics that have little or nothing in common with the original 'concept,' in this case Edgar Allan Poe's classic.

However, the music is very listenable, pleasant songs, with some Ross himself sings well, not unlike Stevie Nicks and the band play with competence, but one has the impression the music lacks that vital ingredient - originality.

I would imagine Ross was put together with the American market specifically in mind, the employment of a conga player, the album being recorded in L.A., and the fact that the band was chosen to support Eric Clapton on his hugely successful tour last summer

underlines this. Yet while attempting to sound like our American cousins in many ways, Ross retain a typically English accent to their music. As it is they've succeeded in making an album that has that strange Mid-Atlantic feeling - wetness.

Kool and The Gang: Rhyme Tyme People/Father, Father. (Polydor 2001 558).

TYPICAL K and the G street funk, the sort of number that sounds fine on a U.S. F/M station, but has little chance of making our insipid chart. The song shuffles along with the usual Gang drive, the band always aiming their music at the body rather than the mind, a fact underlined by the crass lyrics of the flip-side - "but man flies around the moon, and sings a song that begins with June, and eats his lunch at every noon - in harmony he does this" ...Honest!

PARKING

The following people have been allocated parking permits for the rest of the session. Please collect them from the Union Office before 1st March, 1975.

O. Szpiro	AXE 106B
A. J. Howell	NHP 301F
M. A. Stanger	FNP 478J
S. K. Mitra	AWX 879G
A. M. Silverleaf	707 CPK
Winston Wong	UGF 390M
E. Coufakis	411321

How to be a Women Engineer - and Live!

The Younger Members branch of the Women's Engineering Society is holding a meeting on Saturday 8 March at Imperial College.

There will be a talk on present and proposed legislation as it affects women at work. Also several members will talk on their careers.

All women engineers (and scientists) are very welcome to attend. If you are interested please contact Barbara Moot, Biomechanics Unit, Dept. of Mechanical Engineering, for further details.

HOCKEY

1st XI

I.C. had a week of mixed fortune, losing 3 - 0 to Southampton and winning 4 - 1 against B.A.C. Weybridge.

At Southampton I.C., forced to defend from the start, were unlucky to go one down to a scrambled goal midway through the first half. This score was maintained until late in the second half when John Adolf Andrews (umpire) awarded a penalty flick because he felt cold. Roger Holson only just got out of the way of this in time and with minutes left Southampton went on to make it three.

After the game I.C. lost a boat race to some specialists but reigned supreme at darts until Southampton, by now re-

splendent in yellow shirts printed with the words WESSEX ANCHORS (Dr Spooner - please note!) started throwing beer about. At this point it was necessary to throw the main electricity switch and depart in darkness. At NO stage during the evening were any trophies taken, nor did Jeh Bashar find six glasses lying in the gutter.

Nothing noteworthy occurred at Weybridge; I.C. dominated throughout and even injuries to John-bolshie-Andrews and Capt. Hansen (normal red blood) could not bring B.A.C. into the game. Goals came from Tututivo, Arrowsmith and Bashar. Thanks to Mrs Mike Viyera for allowing him to make an appearance, and Roger for his support - bring a radio next time.

**GO THEATRES &
SPECTACULARS!**

Tuesday



It's
frothy,
man!

Night Out

Royal College of Science Union

CROSS COUNTRY

As last week's FELIX recorded, our pretensions to stardom continued at the St Edmund Hall Relay on Wednesday 5th, the results of which were:

I.C. 'A' - 2nd	
Ian Ellis	15.24
Steve Webb	15.17
Granny Clarke	15.25
Rob Allinson	14.32

I.C. 'B' - 17th	
Dave Jones	15.45
Tractor Holbroke	16.25
Rich Harrington	16.33
John Shearer	17.50

I.C. 'C' - 24th	
Pete Johnson	17.52
Pad Donnelly	19.07
Wilf Welford	17.1d
Dave Payne	17.37

For the first team, Ian and Steve ran good legs to put Granny into 5th place: unaccustomed to such a high place, Granny exceed even his own wildest dreams by outsprinting Julian Goater, junior international etc, etc, in the burn-up at the end of his lap. Astonishingly, we were now in 3rd position, with Rob running the glory leg - and in the sixth fastest time of the day, Rob gained the first team runners-up medals.

A bad'un from John Shearer

saw the second team drop from 10th to 17th on the last lap, and a combined bad un by the whole of the third team enabled us to boast the undistinguished achievement of starting last and finishing even further behind.

Conditions for the Southern Championships/ at Parliament Hill helds last Saturday were changed from the usual diabolical morass to an even worse sticky quagmire. After several supposed false starts, the Junior race (6miles) finally wound its way round this gluepot - Rob Allinson (36.05) in 65th, Ian Ellis, Alf and Dave Webster in 84-85-83 respectively, comprised the scorers to put the team into a very respectable 12th position. Keeping up the IC tradition of packing the back were Rich (130th) and Wilf (141) - the latter was also the victim of some moron who pushed him into the only stream on the course.

If you imagine a kaleidoscopic crocodile stretched across 3 miles of Parliament Hill, then this will give you a fair idea of the 9-mile Senior race. Mudlark

SOCCER

Imperial College 2 Kings College 2

On Saturday 8th February I.C. 1st team travelled over to London Hospitals' ground in Walthamstow expecting to play their cup semi-final against Kings College. Although conditions were ideal and both teams were ready and waiting by 2.15 the game could not be played as the referee had failed to materialize. The two skipers eventually agreed to play the match as a league fixture with a Kings College travelling reserve (actually their union president) as the referee.

What entailed was a hard and uncompromising match with some very entertaining football played by both sides. In the first half Kings began with some penetrating attacks and finding our lads rather lethargic took the initiative and stayed well on top for the forty five minutes. After about 20 minutes they scored their first goal when the two lads failed to clear the ball from the six yard area inspite of 6 different opportunities to head it away. Shortly afterwards another error in our own half led to a Kings winger centreing the ball and their centre forward hitting it perfectly on the volley to score a great goal.

Half time saw us two goals down, reflecting in a most ragged performance in the first half but determined to make

amends. And so we did. For the next to minutes the ball hardly came out of the Kings half as a rejuvenated I.C. attacked relentlessly. Fighting for every loose ball our forwards had the Kings defence under constant pressure and eventually it cracked when the inevitable Glen Swaby hit one in from the edge of the area. We continued to dictate the play and about a quarter of an hour later a quick touch throw from K. Seukiw found S. Bates with plenty of time to head past the groping hands of the keeper - a connoisseur goal in every respect.

The remainder of the game was a grim struggle to put away a winner which never came but still provided a lot of thrills.

Although we failed to conquer on the day, a repeat of that second half performance in the semi final should see us through with no difficulty.

WATER POLO

On Tuesday, 4th Feb I.C. first team faced London Hospital in the crunch match of the ULU league, first division - this was the meeting of the giants. The early play was fairly even but somehow by the third quarter we found ourselves 3 - 0 down. Just to emphasise our predicament Rory deaded to miss penalty. However he was given a second chance shortly after and managed to squeeze this one home. (the captain declining the opportunity to take it). So at the start of the last quarter of five minutes we were still 3 - 1 down. But, miraculously, goals by Andy and Rory (yet another penalty) put no level and then with only 2p secs remaining Paul Frieze scored a rare one from the hole, giving us the lead and the match.

Team: D. Ilic; M. Taylor, D. Lowther, P. Hindle (Capt), A. Smith (1), P. Frieze (1), R. Lewis (2 pens)

Webb found the terrain to his liking, clocking 56.00 in 270th position, to lead the P.G. (veterans) stars home, followed by his compatriots, Granny (unable to hang onto Julian Goater (1st) this time) and Dave Jones. Amongst the tail of this straggling reptile were to be found Roman Halenko, John Shearer, Ian Isherwood and Pete Johnson. Presuming the race to be over, the officials were more than surprised to see a lone

On Thursday 6th Feb the first team completed the formality of beating Mary's I for the second time, this time by 6 - 1, and thus maintained our 100% record. After getting an early lead through Bluebottle, we reverted to our customary tactic of starting badly by conceding a soft goal, before getting to work on the Mary's goal. Both the debut boys, Phaedon and Tony, made promising first team appearances, playing two quarters each. *Team: D. Ilic, M. Taylor, P. Garydakis (T Vaughan), O Hindle (1), A. Smith (2), P. Frieze, R. Lewis (3).*

The second team continues to improve in the second division. Having lost narrowly by 2 - 1 to both Thomas' and Mary's II they finally recorded their first victory in the return match with Thomas' by a convincing 3 goals to 1. All three goals were scored by th their new rocket shooting star, Moses, making his debut.

runner approaching with the sunset: Pad, together with his shortened locks. It took some persuasion on our part to convince them that he was not a straggler from the boys' race.

Owing to gear box trouble, Tractor Holbroke broke down after 6 miles. Andy Fairhead, running for the Komix, found the course so laughable (or despicable) that he packed in after 3 miles. Flaker of the week - Bob Ignaciuk.

FELIX SPORT

RUGBY

1.00p.m. arrived and the score was I.C. 1st XV 13, I.C. Ex 1st 13, I.C. 'A' XV 12. The dreaded flue virus had struck and each team found themselves depleted. Nevertheless, we decided to brave these setbacks and play three games short of players. Meanwhile in OB2 the virus was being reared by Denso and Tapper at the optimum temperature of 35°C. Inside the siveaty head of the former was stored the information that Bob (I rearily scored a hot trick) Austin was turning up at the Kingston ground. The detailed instruction to the ground lay under a heap of aspirin bottles.

We eventually arrived at the Kingston ground to be shown to the chicken run to change. A frantic rush to secure their own personal nail was made by the I.C. players. Bo Bo roosted in the rafters.

The I.C. 1st XV started one player short but the balance was redressed within five minutes when one of the Kinston player retired to receive ten stitches in a leg. During this first half the one in two slope proved to be of some advantage to I.C. and within the first quarter we ran up 13 points with a Hughes penalty and conversion and tries by Austin and Fearn. It was now obvious to all that there was no need to do any more to win the match so tea and biscuits were served for the rest of the half.

Now playing up the slope I.C. found the going much tougher. Lipps had to tighten the string in his shorts to prevent his pot dragging along the floor and Donkey was seen to streak up the wing on his pongo stick. Kingston fought well driving I.C. back and had soon reduced the I.C. lead with a well converted penalty goal. This pattern continued till fifteen minutes from the end when all tea trolleys were cleaned and I.C. started to play again. Several excellent forward rushes followed by quick possession were not rewarded with tries but by this time I.C. had had their fourth try disallowed. It was left to BoBo to run seventy yards to break the deadlock. This was followed by a Hughes try which came from a fifty yard run by Zappa. The final score was 21 - 3 to I.C.

Team D. Shakesheff (absent) A. Williams, G. Clement, J. Gilbert, M. Latter, R. Cresswell, R. Hughes, T. Fearn, B. Bradley, R. Austin, M. Sergot, K. Lipscombe, S. Booth, J. Smith, P. Robins.

IC Extras v. Kingston's Bakers Dozen

Unlucky 13 - unlucky for Kingston R.F.C. that is. The extras last Saturday went out to Kingston with 13 men and after getting changed in the valuables box, we got into cars to be taken to a disused tip to play the 15 man opposition. (Only got 13 - Ho Ho Ho I'm going to enjoy this said their capt.)

The extras kicked off, went straight into the attack and after 5 minutes H. Sayers kicked a penalty to give us a 3 - 0 lead. Everybody defended well putting everything into their game. M. Kilbride at Blind side Open Side and Number 8 had an excellent game and R. Trezeas at scrum half played well with only 6 men in front of him. T. Then the hard work was rewarded with 3 more tries from $\frac{3}{4}$. Whiteley, M. Gibson and M. Kilbride of which H. Sayer's converted one, to give us a half time lead of 17 - 0.

Playing with the wind in the second half we conceded a try (unconverted) and then scored three more tries D. Forbes, H. Sayers and J. Rose scoring them and D. Forbes converting one. This gave us a final score of 31 - 4.

The pack did well to win set pieces and rucks against an 8 man pack and I must congratulate them on this. Mickey Mouse of the opposition got sent off near the end of the second half for wagging his ears at the ref.

Team: H. Sayers, S. Ladle, M. Gibson, J. Rose, C. Whiteley, D. Forbes, R. Trezeas, S. Chudy, I. Shepherd, C. Wrigley, R. Sutton, P. Jeffs, M. Kilbride, M. Kilbride.

HOCKEY

MIXED HOCKEY

On Sunday morning the mixed hockey team met in the nauseatingly odourful union lounge ready to travel to do battle with Speedbird. The tube journey to East Hounslow was peaceful enough with Mike and Janet doing the crossword together and Mark looking on jealously. A short walk to the bus station and we were on the way to the ground. Having nearly got off at the wrong stop we got out by the Queen's Head.

On observing this building the umpire made straight for the bar muttering, "ESB for breakfast." A cry from the captain/secretary/organiser of the mixed hockey club caused a halt but after a democratic vote the number of customers swelled by twelve.

We at last arrived at the ground only to find no opposition. They eventually turned up and we began twenty minutes late. Playing uphill I.C. began well but after a while Speedbird began to come into it. Despite their steady pressure they couldn't beat Chris Parker or Pete Nowell and when they did Shirley "hit it anywhere" Fairweather and John Huckle cleared up confidently leaving the stray belisha beacon in goal with very little to do.

Suddenly, in the 28th minute, the ball was smashed out of defence and ended up with Dave Balderson who put it into the net. Silverbird replied by crashing a shot against the inside of the post but luck was with I.C. and it stayed out.

I.C. began the second half confidently with Pete, Janet and Lindsay working well on the right but as in the first half Speedbird gradually came back but the defence held firm. Then in the 62nd minute Chris Parker picked up a ball in midfield and dribbled through to score a fine goal. This was followed four minutes later by a goal from Mike "I've ruptured myself" Vieyra with help from Di. So when the umpire blew his whistle for the end of the match, I.C. had maintained their un-

beaten record with a good 3 - 0 win.

Well done lads and lasses - you've got a lot of good hockey in you!

Team: N.Harrison, S.Fairweather, J.Huckle, P.Nowell, C.Parker, M.Vieyra, D.Mounsey, J.Coxage, D.Balderson, L.Tebb. Umpire: D.Lord

2nd XI

After a four-week period of inaction, owing to inclement weather conditions, the 2nd XI took the field at Harlington for their second match of the term. On the coach, it was discovered that we were minus two players (Pete Nowell and Chas Hardy). Our esteemed (?) captain solved this problem by pressing the umpire (yours truly) into service and replacing him in his habitual role of full-back.

Our victims, the Potters Bar XI, were obviously the lesser team. This was borne out by the fact that our first goal was scored in two minutes! From the bully-off, the ball was taken up right wing. A superb cross found our unmarked left winger, Clive Thomson, just inside the 'D'. The latter coolly hammered the ball home. A few minutes later, our captain Ian Read, recovered from his hangover long enough to score our second goal in a similar style.

Potters Bar managed to force a short corner from which they scored. The third goal was scored by Dave Balderson and Clive Thomson got his second goal just before half-time.

In the second half, Potters Bar, hopelessly outclassed yet again, conceded another two goals. The first of these arose from a penalty stroke, ably taken by Bob Middleton. He then scored his second and our sixth goal.

The whole team played extremely well. The game was enjoyed by all although the full-backs and goalkeeper did not see much of the ball. The only regrets we had were that neither Clive nor Bob scored a "jug".

Our thanks must go to Mr Jerry Jacobs for his efficient umpiring of the match.

Team: N.Harrison, J.Huckle, P.Nair, A.Turner, C.Parker, Y.Tan, D.Balderson, J.Brownridge, R.Middleton, I.Read, C.Thomson

Swimming Gala

To be held at the Sports Centre on Tuesday, 18th February at 6.00 p.m.

Free Beer and Sandwiches will be provided for competitors and spectators in the Union Lower Lounge following the event.

Admission will be by programme price 10p on sale in Union Offices.

Prospective competitors should contact their CCU's.