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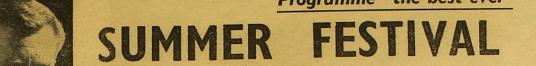
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WEDNESDAY, MARCH 6th, 1963

Programme "the best ever"



NAMES



Photo: B'ham Post & Mail.

Money offered for research

THE dependence of a great deal of medical research upon gifts of money by local business is becoming increasingly obvious.

ingly obvious.

Mr. P. Sparkes, a company director, last week offered to buy £2.000 of equipment to assist the cancer research group. He said, "Money from the Government in this direction instead of the expenditure of millions pushing British cultural matters overseas would be a much more sensible proposition."

Earlier in the week, Mr. Hugh Sumner, who gave a cheque for £30.000 to aid rheumatism research, examined the above electron microscope bought with his gift. "The machinery completely mystifies me." he said, "but what I have seen is quite wonderful."

IR. ALTY, the retiring Vice-Chancellor of Rhodes University, South Africa, has been appointed the new Deputy Principal of the University as from May 8th of this year. Dr. Alty has followed a very distinguished career, being appointed to be Chair of Physics at Saskatchewan University, holding this post until 1932, when he was South the same university. From the date of his appointment as Deputy Principal, the office of Vice-Principal will be known as the office of Pro-Vice-Chancellor and Vice-Principal.

COMMENT

STICKING TO THEIR PRINCIPALS

DRAWS

PRINCIPALS

ON MONDAY the University announced slashing reforms in the Birmingham administrative structure, changes which are designed to rationalise the whole top-heavy bureaucratic system.

The changes are: the Vice-Chancellor and Principal of Rhodes University is to become the Deputy-Principal of Birmingham University. The Vice-Chancellor and Vice-Principal of Birmingham University. The Vice-Chancellor and Vice-Principal, subordinate to the Vice-Chancellor and Principal, The Deputy-Principal will occupy a senior position to the Pro-Vice-Chancellor, who should not be confused with the Vice-Chancellor, or the Deputy-Pro-Chancellor, or the Deputy-Pro-Chancellor, Thus, it appears that while the position of Vice-Principal is being downgraded under that of Deputy-Principal, it is simultaneously being upgraded over that of the Deputy-Principal by being combined with that of Pro-Vice-Chancellor.

Both these positions are combined that the position of the positions are combined that the positions are combined the positions are combined that the

ceilor.

Both these positions are combined in one man. All these elevated officers, the Pro-Vice-Chancellor and Vice-Principal, the Denuty Principal, the Vice-Chancellor and Principal, the Pro-Chancellor, and the Deputy-Pro-Chancellor come under the Chancellor, the Earl of Avon . . . who, of course, is never here.

NEW MAN

PHILOSOPHERS SWEEP BOARD IN DEBATING TOURNAMENT

THE Debating Society Open
Debating Tournament was
won in convincing style on
Thursday by Mr. Andrew Allen
(Philosophy) who last term
walked away with the fresher's
title. Placed second of the four
finalists was another Philosopher, Mr. D. Wyndham Mears.
The presiding index Professor

The presiding judge, Professor Hood-Phillips, Dean of the Law Paculty, thought the standard "pretty high, and the speeches both relevant and amusing." The motion that "This house considers that policemen are nasty, brutish and tall" was "quite debatable" he said, and Mr. Allen had debated it best.

motion that "This house considers that policemen are nasty, brutish and tall" was "quite debatable" he said, and Mr. Allen had debated it best.

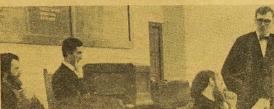
Miss Ann Doran proposed the motion in a more fiery and Allen's impressive style of delivery interest-holding style than usual, taking the line that policemen are "interested only in one's fail-dard.

Mr. Mears' redoubtable logic demolition of Mr. Mears' a speech, but devoted his time to a systematic adard.

Mr. Mears' redoubtable logic demolition of Mr. Mears' a speech, but devoted his time to a systematic demolition of Mr. Mears' a speech, but devoted his time to a systematic demolition of Mr. Mears' and demolition of Mr. Mears' a speech, but devoted his time to a systematic demolition of Mr. Mears' and Mr. Mr. David Hugill did not appear to have prepared a speech, but devoted his time to a systematic demolition of Mr. Mears' and demolition of Mr. Mears' and demolition of Mr. Mears' and Mr. Mr. David Hugill did not appear to have prepared a speech would not like to hear a "midnight knocking on the door."

Mr. Mr. David Hugill did not appear to have prepared a speech would not like to hear a "midnight knocking on the door."

Mr. Mears' redoubtable logic demolition of Mr. M



Andrew Allen develops his ideas on the police

Tel. Selly Oak 1698

CHAMON RESTAURANT

**A luxurious Oriental Restaurant in the Midlands . . . extends you a warm welcome to kindly visit this dignified centre for delicious English, Indo-Pak, Chinese dishes and Special 3-course Luncheon, 3/- only.

Open 12 Noon to 12 Midnight on Friday and Saturday.

12 Noon to 11.30 p.m. on other days.

Tables can be reserved Parties catered for

507 BRISTOL ROAD (NEAR UNIVERSITY)
SELLY OAK, BIRMINGHAM

Have you seen this week's New Statesman? music, arts, entertainment.

World affairs, books, From your newsagent, 9d.



Carnival is coming

WHERE THE MONEY GOES

two Carnivals, £8,700, was distributed last week. The largest donation, £4,000, went to the Sunfield Homes, at Clent, for children in need of special care. The money will be used for building a therapeutic swimming-pool, as part of a larger development plan. The other large donation, £1,100, went to the Elizabeth Hadley Home, in Selly Park, for old people The rest of the money was shared among the other Birmingham charities helped

Checkpoints

charged and the total divided be-tween the winners. "There's no skill in this." said Trog. "It's purely a game of chance."

Have you got a large and or-nate bed which you don't want? Mr. Ron Brooks, who is in charge of Carnival stunts is look-ing for one. "Last year we had a big national stunt with TOTO

who reached the

finishing line in the

Bristol. Rag has already taken place. Amongst other stunts, one student had a cheque written on his chest and a twopenny stamp affixed. He was taken to a local bank and after some deliberation the cashier cashed the cheque. cheque.

Cardiff too can count a successful stunt, much to the chagrin of London police. Their Rag activities reached Westminster, where, having avoided hordes of policernen, they managed to drape Boadicea's Charlot with a Cardiff banner. The banner has since been removed.

BRISTOL Rag has

CARETAKER

PROFESSOR LANCELOT HOGBEN, former Pro-fessor of Medical Statistics, has been named as the first Some of the lucky few University of British Guiana. He has, however, only accepted the appointment as a short-term one.

SELLERS of "Peace News" are in trouble again. Last week in Oxford, five undergraduates were five undergraduates were fined for obstructing the pavement, whilst selling the paper. However, it seems that a compromise between the members of CND and the Oxford police has been reached. They have now been given a site on the corner of Carfax, where they will be able to sell "Peace News" without interference. News" without interference.

HULL is having a "Return the Spoon" week
At the end of last term, threequarters of the new pattern

Not a massacre of rioting undergraduates, but tired the Tortoise and

thought of in spring.

Funnily enough, no-one was thinking of anticipating spring for about another couple of months, but that hadn't seems to occur to them. To the Missing spring had already arrived, and Barney Bamfort was here to prove it.

"Be as outrageous as you like said Mr. Bamford. "Mention saif you like." Most people obligingly did. "I'm not supposed to be here, actually. I'm supposed to be in the street somewhendoing these interviews, but all you can get out of them is a don't know really, so I said became the here."

The item, presented in a candy-floss montage of spring type sounds, may not han proved a great deal, but on hopes that at least it will appease Miss Susan Perl, who complained in Press Post a couple of weeks ago that the same Exec-dominated clique appeared on radio and TV ever time. Miss Perl was heard on the suppeared on radio and TV ever time. Miss Perl was heard on the suppeared on radio and TV ever time. Miss Perl was heard on the suppeared on radio and TV ever time.

FINISHED AT TWENTY-ONE

He has, however, only accepted the appointment as a short-term one,

"I have expressed my willingness to go there," he said, "but only on a caretaker basis for six months to help them get the University started."

Professor Hogben will be advising in both scientific and academic matters and hopes to be able to attract people to the University. He did a similar job sometime ago in Ghana. His six month period in British Guiana will probably start in October. When the University is expected to open.

He is well known to many students as the author of "Mathematics for the Millions," a Penguin book introducing the concept of mathematics to laymen.

OXFORD

STUDENTS

MOYED ON

SELLERS of "Peace News" are in trouble



"probed" by a brainwashing, Peeping Tom (B.A. Hons.).
"Poetry and Education," as Mr. Holbrook meant it, is simply the stimulus and the means to self-realisation, with all the improved adjustments and relationships that can follow from this.

• [I am pleased to see that Mr. Staples agrees that graduates with no other training can be dangerous. There was never any suggestion that graduates would be malicious. "Experience" means having tried, and watched others try, Mr. Holbrook's methods during two years in a secondary modern school. Mr. Staples indicates his attitude by the word "simply" in the last paragraph.]

TACT AND CHARITY SIR,—We must apologise that our letter in last week's issue of REDBRICK

CHRISTIANS,

Press

Post

REVIEWERS

MUST NOT

is no substitute for asser-tion substantiated by refer-

edges.

And what's more, there's no question of the children being

WAFFLE

gave the impression that the Chaplains of St. Francis Hall failed to appreciate the work of the Christian Societies, of the Christian Societies, and appeared to some to be devoid of either tact or charity. The gravity of a situation in which Chris-tians, far from being deeply SIR,—Sophistical repetition involved in University life, are tending to contract out, seemed to us ot call out for outspokenness and the need for a major reappraisal by all ence to facts and examples.
William Orwin must certainly have been hard put to it to pad out his waffle about David Holbrook in last week's REDBRICK. concerned.

David Holbrook in last week's REDBRICK.

Of course enthusiasm for one's subject is not the same thing as sound teaching, but without the first, the second would be quite impossible, as anyone will testify who has been "taught" by an interested teacher.

And of course it would be dangerous to let loose on children to do this sort of work, people with no qualifications at all other than that of having survived three years in the English Dept. Mr. Holbrook would not suggest otherwise.

Mr. Orwin Invokes "experience" to back up his point. Whose experience what is it? Come, Mr. Orwin, unblur your edges.

And what's more, there's no concerned.

We have been greatly encouraged by the response of many people in the Guild, Christian and non-Christian, to our attempt to draw attention to a situation affecting possibly all the Christian groups, including that of St. Francis Hall, and we hope that when emotion has given place to reason, more people will come to share our concern that Christians should accept the tremendous opportunities and demands of the University, and be prepared, in honesty, to take seriously a God who is active in this world where we have been placed.

Yours, etc.,

MARIE ISAACS,

KEITH WILKES.

caught him playing bridge in maths, he thinks he's

VINCENT AND THE WITCHES SIR,—I am sorry that Mr.

Yours etc., TERRY STAPLES.

based on the fallacy that the cult is not basically evil. Evidently your contributor has been convinced by such books as Dr. Gerald Gard-ner's "Witchcraft Today" which sets out the case for

which sets out the case for the

VINCENT POWELL-SMITH.

I LIKE THE BACKING

SIR,—I am no longer surprised by the number of thoughtless people in this University, but I must confess that I have not yet over-

SORE ALL ROUND

word of gratitude is due to the organisers and spon-sors of the Bogle and Tor-toise Stroll from Manchester to Lancaster. Their thought-fulness in providing us with a comfortable floor on which to stand for two hours be-fore we started was typical of the entirely competent and efficient manner in which the operation was conducted.

the operation was conducted.

Having fought our way out of Manchester Union, we strolled confidently towards cheek point one where 400 portions of soup had thoughtfully been provided for about 1,800 walkers. Unfortunately 401 had arrived there before us. However by cheek point six things had improved and we were able to refresh ourselves with good dry bread and even cold water.

We must report an interesting scientific discovery. Due perhaps to relativistic effects, Lancastrian time is four hours in advance of that in the rest of the country. At 2 p.m. GMT the six o'clock coaches left promptly. Those who arrived at 10 p.m. Lancastrian time were somewhat

Internal Ads. 1d. a word. Insertions up to mid-day Tuesday. RED-BRICK accepts no responsibility for non-insertion or mistakes in adverts.

£10 REWARD. A reward of £10 will be paid for information leading to, or for the recovery of, a 4-length double-breasted "tan" Moss Bros. sheepskin coat. It was removed from the refectory cloakroom last Wednesday between 11.50 and 12.0. It has sheepskin cuffs and an acid stain on the left eibow. HELP! HITCHING PARTNER

to Leeds or area this Friday or Saturday?—Apply: Jean Stephenson (Eng. 1). RHYTHM CLUB members and friends! Don't forget the Ex-celsior J.B. at the Bournbrook this Monday.

CONFIDENTIAL Typing, neatly typed at reasonable terms.— Apply to Mrs. A. Roberts, 15 Cambridge Crescent, Edgbas-

"Arms and the Man" continuing until March 9th. Tickets now on sale in the Box Office in the Old Entrance Hall.

GUILD THEATRE GROUP.

CHRIST AND THE ATOM
Sunday, 10th March, 4 p.m.
All Welcome.

ROVER SCOUTS. University
Crew organising orienteering
course Saturday, March 9th.
—Persons who are interested
meet at Halesowen Athletic
Club, 2.30 p.m. Bring crosscountry kit, map of area and
compass if possible.

BIRMINGHAM HF Group invite

Hall.

EXCELLENT Bedsitter to Let
for female over Easter, Bristol
Road, all conveniences.—Contact via Union Pigeon-holes:
Miss J. Edwardes.

TALKS on the Catholic Church.
(iii) "The Church and Authority." Thur., 7th March, 7.30
p.m. at the Chaplaincy, 65
Upland Road, Selly Park. All
welcome.

GUILD THEATRE GROUP. BIRMINGHAM HF Group invite

GUILD THEATRE GRUUP.

"Arms and the Man" continuing until March 9th. Tickets now on sale in the Box Office, Old Entrance Hall.

Methodist Society

Professor C. A. COULSON, FRS speaks on

Speaks on

March 12th, 13th & 14th at 7.45 p.m. Programmes 2/6 from members of either Hall.

by 292 The Pseudopods "And you being a Highway and Traffic

graduate doesn't help any more either !"

A final word of praise for the no doubt high quality of food served in the Manchester Union on Saturday night. It was perhaps a shame that none of us could afford the entrance fee to the dance which was the only place it was being served.

SIXTEEN IDIOTS,

DOWN WITH THE BARRIERS

SIR,—The building of a graduate Common-room must be regarded as a retro-grade step, since one of the functions of a university is

duate and undergraduate students.

Yours etc.,
ANDREW BARROW.

IS OUR ARMY

T. VARLEY, V. BOLTON, M. KLASS.

A career is what it's

If you divide the population into two groupsthose who take THE TIMES and those who don't -you find this: those who don't take THE TIMES are in the great majority. Those who do are either at the top in their careers, or are confidently headed there.

THE TIMES both by its seniority in experience and by its incomparable prowess as a modern newspaper, naturally commends itself to successful people. There is no high level conference, no board meeting, no top executive's private office into which THE TIMES is not apt to be taken.

This choice of a newspaper by people who get on is indisputable.* In which of the two groups do you place yourself?

Read

* STUDENTS AND THE TIMES: As a student you can have THE TIMES for 21d. Write for details to the Circulation Manager, THE TIMES, London, E.C.4.

Oh, where are the ad-men the ad-men of Birmingham?

NO GUINNESS TANKARDS WON YET

It's a funny thing but whereas Guinness 1 frequently receive kindly criticism of their advertising, and ideas for advertisements, from university students, the competition for amateur ad-men that has been appearing in this and other student papers has not yet produced any copywriters, ideas-men or artists of real merit.

We think that lights are being hidden under bushels. In the words of the typical dominie— you can do better! There are a number of handsome name-engraved tankards waiting to be won. One of these tankards could be yours. We are looking forward to publishing some ingenious prize-winning entries in this magazine. Don't forget, the contest closes on March 31st next. Ideas should be sent to Arthur Guinness Son & Co. (Park Royal) Ltd., Advertising Dept. (Press Section) 8 Baker Street, London, W.1.

students resting after Bogle Stroll. Photo: Peter Bond.

spoons issued to the Refectory disappeared, and this term, most of the remainder have also vanished. A box has been placed in the Refectory in the hope that conscience-stricken students will return the missing cutlery.

UNIVERSITY COLLEGE. UNIVERSITY COLLEGE.
Bangor, looks like becoming top of the University newspaper stakes. It already has two and may soon have a third. The chaos started when an undergraduate started a "fearless, frank and forthright" anti-Union paper, following a disagreement with Bangor Executive members. One of the things printed was a picture of the Union President being sick after a ball.

Now the enterprising student has left Bangor but refuses to hand over the control of his first paper. He is threatening to start yet another newspaper, and put the first two out of business.

WHEN WILL

CUCKO0

SPRING

THERE is no sign as yet the first reported cuc sighting from Retired Cold (Tooting) and the temp

ture at night is still t

length over it, and I Thursday the man from BBC was around the Uni

asking members what the thought of in spring.

Bill Slater.

Birmingham Autocessories LIMITED

Racing, rallying equipm and accessories for the everyday motorist. 5% discount on showin

union card. 539 BRISTOL ROAD

Flic Sunday Next

THE RED SHOES

plus "Some of the Greatest"

MOIRA SHEARER ANTON WALBROOK MARIUS GORING

personal column



Photo: F. W. Rushton

CUT AND DRIED

DESPITE his prominence in the literary scene of the twenties, and the fact that he was in the running for the post adays heard of the work of John Drinkwater, co-founder of the Birmingham Repertory Theatre.

An exhibition to commemorate the 25th anniversary of his death was held in the Heslop room of the library last week. Apart from at least one copy each of his published works it included photographs of himself

and Sir Barry Jackson at the time of the founding of the Rep., the original of a caricature by Max Beerbohm and some personal belongings.

If one is interested in Drinkwater and his particular brand of romantic patriotism, which is unlikely, then this exhibition leaves little to be desired. The exhibits are clearly labelled, and the chronological layout enables one easily to follow the prolific career of this notable Midlands poet, playwright, critic and actor.

David Vine

PREJUDICE KILLS THE INTELLECT

have seen for a very long time. In the early years of the century most speculation of this sort was dominated by a vision of the good society realisable on this society realisable on thi earth, in England, in fact.

This Job

(Hutchinson, 25/-).

After giving his extended analysis of the world-political picture today, in which Britain has a much diminished place, Mr. Hartley tackles, with both common sense and subtlety (his tone is nicely reassuring), the intelligentsia, in detail, and their two primary interests, culture and education.

He says categorically what is

IMPORTANT,

THE rapid social change of the post-war years has brought with it a bout of intellectual speculation on the condition of England question unlike anything we have seen for a very long time. In the early years of the century most speculation

After giving his extended.

A lack of Olympian fairness, a willingness to flatter an age group or a social class at the expense of others, is all too evident in their present conduct. The widespread failure among them of bold, realistic and genuinely impartial thinking is particularly dangerous a a time when all that remains to inform our national community is "the disconnected fragments of nineteenth-century humanism."

Mr. Hartley both respects the possibilities of the intellectual role, and distrusts many of the present incumbents. I find him sympathetic, interesting and pretty much right.

WELL-PAID -The latest CHALLENGING permutation

MONDAY evening's BBC "Suspense" play, "Project Survival" was pretty insipid, And it is challenging, for it's a job that demands a high degree of intelligence, and a close understanding of your fellows and their financial affairs. A job you will regard as a fellows and their financial affairs. A job you will regard as a career from the moment you begin. As one of H.M. Inspectors of Taxes in the Department of Inland Revenue, you would be in constant touch with the widely contrasting activities of industry and commerce of every kind. You would meet men and women from all walks of life with a variety of interesting problems of importance to the country's economy. And you would enjoy considerable independence of action, with sufficient freedom of initiative to be able to make decisions of your own. Responsible decisions in a responsible career requiring tact, insight and skill. A career that can lead to a salary of £2,650 by the time you are 40, after which there are excellent prospects of an even higher salary. A career in which the challenge accepted brings a reward well earned. especially when you tagged on to the attempt at a micro-cosm-macrocosm allegory. Apart from the rather cliche fraying - of - nerves situation arising from the self-imposed claustrophobia of living in an underground fall-out shel-ter, there was really very little to merit the "Suspense" of course, it might have been the chap with precognate perception who looked about as sinister as a maiden aunt, but who apparently succeeded in driving everybody up the wall.

But we did have the clever psychological bit towards the end when each character confessed his particular skeleton-in-the-cupboard in an aura of self-willed catharsis. We must find some more material for this wretched drama machine or we shall have to admit that its regurgitations are more watery than the Billy Cotton Band Show.

We need Men and women aged at least 20 on 1st August, 1963 and under 28 on the date of publication. Candidates must have (or obtain during 1963) a 1st or 2nd class honours degree. Selection is by group tests and interviews. THERE IS NO WRITTEN EXAMINATION.

For further information consult your University Appointments Board or

MR. D. W. JOHNSTON, H.M.I.T. (Birmingham 3), 30, Union Street, Birmingham, 2

The Secretary, CIVIL SERVICE COMMISSION,

G.T.G. SUCCESS WITH SHAVIAN SATIRE

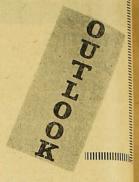
Jean Rogister

"A RMS AND THE MAN" is a splendid play and G.T.G.'s current production does justice to it. Shaw has written here a skit on Romantic comedy, on its soldier heroes and its ethereal values. He is, as ever, witty; and here much of the usual, ponderous weightiness that now seems to mar his work is absent. Yet despite its title—an Anti-Romantic comedy—it is Romantic comedy but with an unit is Romantic comedy but with an unconventional ending.

conventional ending.

Paul Harman's production has seen the vital point about the play. It has been staged in a setting, which though at times reminiscent of a student's digs—the only concession to the spirit of the age seems to be a Louis XV bedside table—nonetheless conveys the idea of a dull Bulgarian provincial town apeing its betters. Too much flush red perhaps, but then, this is detail.

The actors seemed, with one exception, to have grasped the nature of their parts: Sergius (Graham Davis) is suitably pompous; Petkoff (Michael Siilvester) is vulgar; Catherine (Diane Hill) is impressive . . . The only fault seems to be that they do not round off the edges of their characterisation a little more, and there seems to be a certain lack of emphasis. Raina (Linda Dickeson) should not take her romantic flights of fancy as if they were merely a pose, and Graham Davis must not mar an otherwise excellent performance by slow slurring of speech in more than one accent.



Look out

MUSIC

On Sunday, the Universe Musical Society, with the School of Music chorus and and orchestra, conducted by Professor Lewis, will perform Bach's "St Matthew Passion in the Town Hall. On Tuesday the City choir and orchestra perform Tippett's oratorio," I Child of Our Time": a dramatisation of a true story of Naterror, and a masterpiece of its type.

THE DAY GANDHI DIE

Paul Carter

"NINE Hours to Rama" (Odeon) is a fictionalised story about the India youth who assassinated Gandhi. I doubt if a more incompetent killer has ever graced the screen. He is always running at the sight of a policeman, and on the fateful afternoon he is so pervy ful afternoon he is so nervy that he gets hopelessly drunk on a prostitute's gin. Not content with this, he allows her to steal his gun a couple of hours from assassination

Not one of the leading characters (mostly European) makes any attempt to sound like an Indian, although some of the lines in this film would sound ridiculous in any dialect. "Your hair is darker and more beautiful than the night." the drunken assassin screams to the prostitute, having just beaten her up. "I think he's a poet," she says to one of her friends, later.

Gandhi is portrayed by a



• "Nine Hours to Rama

"I think he's a poet," she says to one of her friends, later.

Gandhi is portrayed by a Hindu ex-teacher named J. S. Casshyap. It would be difficult to deny that he bears an amazing resemblance to the great and one has be cheated.

All in all, it is unfortung that such a poor film has be such promise and originally one leaves the cinema with the feeling that one has be cheated.

BIRMINGHAM REPERTORY THEATRE "KING HENRY THE EIGHTH"

(8th and 15th March)

"TROILUS AND CRESSIDA" (9th and 14th March)

> "TITUS ANDRONICUS" (12th and 13th March)

Evenings 7.15. Matinees Wednesdays and Saturdays, 2.30. Now booking for "TITUS ANDRONICUS" (Opening 12th March Full details of repertory from the Box Office: 10 a.m. to 8 pm William Orwin MIDLAND 2471. Special rates for students on certain nights.

Science & Life

of the middle ages the geo-centric concept of the universe had become firmly entrenched because of the tremendous influence of St.
Thomas Aquinas. But the simple picture was being undermined by one of the

THE GREEKS ARE

Where a million means nothing

THE progress of astronomy has been tremendous in this century but

THE progress of astronomy has been tremendous in this century but much of this progress has been proving things the Greeks were saying more than 2,000 years ago. People like Thales of Miletus, Pythagoras, Anaxagoras, Aristarchus and Hipparchus. These men recorded the position of the stars and saw that the earth's axis had a slow top-like motion relative to the fixed stars. They even speculated that light travelled with a finite velocity and the celestial bodies, including the earth were spherical—facts that were not generally accepted or proved for centuries.

proved for centuries.

But although Aristarchus had proposed the heliocentric system it was the Ptolemaic system that came to be generally accepted. Under this system the sun and planets were supposed to rotate around the earth and their motions were represented by a complex system of circles turning on other circles. The stars were supposed to be fixed on the boundary of the universe which in turn rotated about the earth—a kind of celestial wall paper for a geocentric universe!

After Ptolemy the scientific spirit of observation and

reason ebbed in the Western

world to be replaced by sterile disciplines. By the end

most momentous revolutions in the history of thinking.

PROVED RIGHT

ceeded in building his telescope only after 200 attempts. His great contribution was to focus attention on the stars, rather than on the solar system. He found that the solar system was in no way unique—in fact it was an insignificantly small part of an immense starry aggregate which is now called the galaxy.

This led to a fantastic increase in the horizon of astronomers. Whereas distances in the solar system were typically in the order of 100,000,000 mies, galactic distances may be in the 1,000,000,000,000,000,000 mi i le range. To avoid embarrassing the printer (except ours!) with

• Spiral nebula in Ursa Major seen from a 200in. telescope.

One of the known wonders

of the Universe.

Tegid Wyn Jones

We apologise to Mr.

In 1543 Copernicus, an obscure Polish cleric, working on the edge of Christendom, proposed on purely theoretical grounds a heliocentric system. This in itself did not increase greatly our ideas concerning the stars, but it was one of the greatest observations of Tycho Brahé and Kepler and the brilliant theories of Newton. Mers. Whereas distances in the galactic nebulae or preferably globular clusters. These clusters, which are the building blocks of the galaxy, feature prominently in recent theories concerning the evolution of the galaxy. MAT GOES WRESTLING WARESTLING

Newton's genius lay in the fact that he recognised that laws governing terrestial phenomena were universal and his mathematical theory enabled nearly all the motions of the solar system to be solved. Where beauties meet beasts

A ROLL of pre-recorded drums from heavenly loudspeakers and Mangler McKay enters the arena closely followed by his manager, his trainer and his scriptwriter. The Mangler wears a kilt, Gauleiter boots with huge hobnails and a fercious glare which he bestows liberally upon the rows of old ladies who sit, knitting placidly, around the ring.

He is followed by Kid Mauleverer (alias Jim Smith from He is followed by Kid Mauleverer (alias Jim Smith from Brixton)—pigmy-like by comparison with the Mangler—a youth of Adonisian good looks. Hearts throb as he climbs into the ring alongside the Mangler who has by now shed his dressing-gown, his boots and his kilt, causing the old ladies to lean forward, eager with unsatisfied anticipation. The Mangler tears great handfuls of hair from his chest and throws them into the audience.

The bell sounds, the contest is on. In rapid succession the Mangler applies Boston crabs, hammer - locks, back - breakers, half-nelsons and rabbit-punches to the apparently plastic form of the Kid. By the third round the audience is in the desired fury of frustrated rage. The Mangler flattens the Kid and bounces happily up and down on his kidneys, until restrained by the referee, one Israel Giardino.

The Listener

ISSUE DATED MARCH 7

HOW THE MOSCOW-PEKING SCHISM DEVELOPED"

G. F. Hudson, Fellow of St. Antony's College, Oxford, reviews the history of the Soviet and Chinese Communist parties and suggests some lessons to be drawn from it. This is the first of four talks by different speakers on Russian-Chinese differences.

"EUROPE'S RECONSTRUCTED CITIES"

lan Nairn takes Rotterdam as his subject in the second talk of a current series.

"THE SATELLITES OF MARS"

Another talk in the series "The Sky at Night" by Patrick Moore.

"WHAT IS A PATENTABLE INVENTION?"

and other features

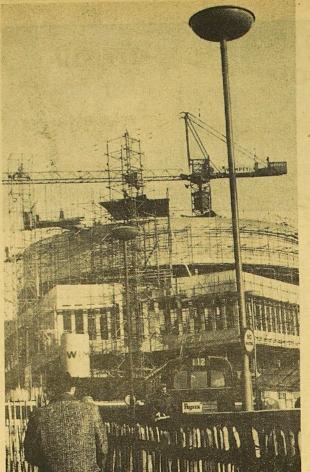
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• Globular Star Cluster in Hercules



Britain's cities have been strangled for decades by bad planning or, more to the point, lack of any planning at all. A few brave attempts at concerted planning have been made since the war, notably the New Towns and the rebuilding of Coventry. In the past few years planning has become vague and all the major cities in Britain have produced vast schemes for reorganising their centres.

Birmingham has taken a lead in this field and Nigel Harris takes a close look at the Bull Ring - a £500,000 project taking two-and-a-half years to build - Mary Bergman examines the plans for the Market area. Their reports are intense and provocative.



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RAPIDLY BECOMING ONE OF MOST GO-AHEAD CITIES, IT'S A C

STREET, ST

ell of the Bull Ring Bridge, a common sight vrenches itself from nineteenth-century twentieth-century consumer's paradise.

DRAGGING BIRNHAM INTO THE TWENTIETHYTURY

OUT of the all-enveloping mass of demolition, which is rapidly gaining Birmingham the reputation of being the city the Bomb needn't bother with, is rising what is claimed to be the greatest advance in shopping since the advent of the multiple store. In November the Bull Ring cometh, complete with intensive prestige advertising, a potential market of 3½ million people, and a three-page consecration by the "Financial Times."

and a three-page consecration by the "Financial Times."

Calculated to replace New Street as Birmingham's main shopping centre, the Bull Ring, site of the open-air markets since the twelfth century and traditional haunt of Brums' The End is Nigh merchants, will retain these symbols of its past, with the market stalls in permanent glass-fibre kiosks and the Bible-thumpers shut away from the traffic. Both traditions seem likely to fade—the stall-keepers find the rents too high and the orators just aren't turning up—and the new centre will, it appears, mark a complete break from the previous history of the area.

Rethink

Currently causing a massive rethink in the property development world, the basic idea behind the Bull Ring stems from the need to adapt the sprawling "one-stop" shopping centres common in the USA to a 3½-acre site between St. Martin's Church and New Street Station, straddling the new Inner Ring Road. The problem of not having thousands of square miles to spread in, common to cities throughout the country, has been solved by planning, under one roof, a complex of 140 shops, plus markets and department stores, which takes full advantage of the changes of level over the smallish site to pour an architectural quart into a pint-sized ground area.

is contained within a half-circle formed by Smallbrook Ringway, the Inner Ring Road Ringway, the Inner Ring Road and St. Martins' Churchyard; there are two extensions via broad shopping bridges over the Ring Road. Although for reasons of space built with a vertical emphasis, the Bull ring does not commit London's error of building up for up's sake. The two higher structures, a ten-storey office/flat block and a multi-storey car park, are set off against the generally lower, flatter lines of the main shopping areas to produce, as architects jargon would have it, a studied irregularity of block layout, the chunkiness of the former contrasting with the lesser stature of the latter.

Cutting

Not that this has not meant a certain amount of cutting round the edges. Some of smaller shops, particularly the open-air market, have an air rarely found outside the less successful new towns—Cwmbran, for instance. They remind me somewhat of the "toy" shops common in such places as holiday camps. "We're not trying to make money," they seem to say. "We're only playing at the consumer game." Outside, they're just as deceptive as those at Butlin's, until one finds out the dreadful secret: they're not in it for their health.

Paradise

The main body of the Centre is contained within a half-circle formed by Smallbrook Ringway, the Inner Ring Road and St. Martins' Churchyard; there are two extensions via broad shopping bridges over the Ring Road. Although for reasons of space built with a vertical emphasis, the Bull

Many features included in the scheme, however, make the claims made of it as being a "town under one roof" and "the world's most advanced shopping centre" seems a little less like second rate advertising blurb and a little more like reality. Besides the 140 individual shop units and supermarkets, it is to include two department stores—including one of the biggest Woolworths in Europe, already open and doing a roaring trade, which augurs well for the future of the centre—a 30.000 square

• The new shadows

over the old, near

Snow Hill Station.

58.L

erous subways to surrounding city streets, and 58 escalators and lifts between the third-floor balcony shops and the ground-floor department stores and supermarkets, to exact the strain after having parked the car a mile and a half away and walked into the centre, because there wasn't an inch of parking space nearer.

The Bull Ring Centre will cost 25 million and has taken only 24 years to build, which is an achievement in itself. Planned as a unit, it has yet not been planned in isolation. It forms an integral part of the overall development plan for the city centre, designed to at last, take Birmingham out of the inthe West Midlands in decide to come in on ay.

The Bull Ring Centre will cost 25 million and has taken only 24 years to build, which is an achievement in itself. Planned as a unit, it has yet not been planned in isolation. It forms an integral part of the overall development plan for the city centre, designed to at last, take Birmingham out of the industrial revolution and into the twentieth century, in the process of renovating the tarnished image of the nuts and bolts city. Contrary to popular impression, this does not necessariy entail knocking down the Town Hall, attractive though this idea may be.

MARIY GETS A FACE LIFT THE PLANNERS

WITH the mov and new mingham, tra together

One well-know

Next week sees the start of a new REDBRICK series about historical mysteries, the first article concerns the Pilt-down man.

The American Negro's

FIRST CENTURY OF FREEDOM

by

Professor John H. Franklin

Contact: Student Affairs Office,

The American Embassy, London, W.1

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said Caractacus spitting on a convenient legionary

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The Shape of Things to Come

A REVIEW of the provisional plan for the campus of 1970 has just been published by the Uuniversity authorities. Our artist's impression of the new plans is printed alongside. It will be needed in particular that some noted in particular that some of the last bastions of the "utility era" are to fall. At last it seems that we shall get rid of the Commerce huts, the Law prefabs, that concrete monstrosity of a Sports Hall, the Appoint-ments Board prefabs, and that most endearing of all shacks, the Department of Zoology extension.

Zoology extension.

With them will go the ring road by the side of Physics.

The new ring road will run by the Union, across the front of the Barber and through the East Car Park.

The proposed Physics Radiation Centre will extend to the new road, and the foundations for its retaining wall are at present being exca-

Rodney Klevan, by March 25th.

KEY

Aston-Webb original nucleu ****Later** completed developments

Developments now under construction

Extensions scheduled for existing buildings.

Mareas of existing building to be redeveloped.

Definitely scheduled developments.

Sites to be definitely developed.

1 Sites for possible development

Scole: - 1: 1350 linch = 125 yards

Based on map by Casson and Condor Ltd. K.D. February 1963

front of the Barber and through the East Car Park. The proposed Physics Radiation Centre will extend to the new road, and the foundations for its retaining wall are at present being excayated.

The playing fields are, alas, perhaps to be encroached upon.

Mr. Thompson, the Bursar, said: "Plans for building on the playing field are really very long-term arrangements. Students need have no fear that we will build on all the playing pitches. The centre spread will be kept permanently for football, cricket and rugby. Of course we hope to improve the Pavilion by Bristol Road; it's a bit of an eyesore." ******************************

MAP by Katy Doyle. A detailed map can be seen in the Permanent Secretary's Office in the Union. Any comments or criticisms can be sent to the President, Mr.

block, famous for its smells, will have to come down since the foundations are not strong enough to support the addition of another floor. This whole section will be rebuilt. sively administrative offices. It seems possible that the Geology block may be demolished at some future date but an extra storey will definitely be added to Chemistry in the style of the rest of the semi-circle. Hill's

The courtyard concept can be seen to be the major feature of layout. The Refectory—Staff

What they sa

captain of the Birmingham Fencing Club, who recorded his best result to date in winning the sabre trophy. "THE idea of having we building in front of a Library and Arts is daft's a graduate arts student, will spoil the look of the plu po and it's not necessary." I'm all in favour of ne Graduate Common Rome snapped a research chemickids." Warner fenced brilliantly to win all his fights in the final nool, giving himself a lead of two ights clear of his nearest oppo-nents. A month ago Warner also

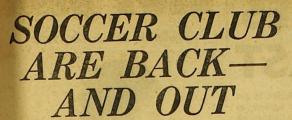
Another

Warner

triumph

IN the first year of opera-tion, the BUSF indivi-dual fencing championships were marked by an excellent

riumph for Martin Warner, captain of the Birmingham



Nottingham U. 3, Birmingham U. 0

LAST Wednesday, the University Soccer Club suffered a 3-0 defeat in the much postponed second preliminary round of the F.A. Centenary Cup competition.

Although the margin of defeat was flattering to the talented Nottingham team, which contains five players with UAU representative honours, Birmingham can offer few excuses as they were beaten by the better side.

by the better side.

On a pitch that was barely playable, some excellent, although slow-moving football was spasmodically played by both teams. Mistakes were inevitable, however, and only Johnson appeared to have mastered the unusual conditions.

tions.

In the first half, a number of chances were made at both ends, but none were taken, and the interval score of 0-0 was a fair reflection of the play.

Restart

Soon after the restart, Nottingham went into the lead, a
hard shot from outside the
penalty area squirming through
the goalkeeper Wood's hands
into the net. A second goal
quickly followed, the ball eventually finding its way into goal
after bouncing around in the
penalty area.

The Birmingham forwards
could make no impression on the

finishing fourth in the UAU Team Championships at Sheffield last weekend, the highest posi-tion the university has achieved in recent years

sports comment

Time to speak

ently counts for nothing.

If there is some ulterior motive for this extraordinary behaviour, Burnley's Board are under an obligation, primarily to McIlroy himself, and secondly to the Club's supporters, to come into the open and state what is going on, for the present situation is unsatisfactory for everyone concerned. It is about time the blunt Mr. Lord and his minions dropped their childish "hard-man" approach and tried to grow up.

LEACH AND DAKER BEAT THE WEATHER

AFTER a drive through the worst conditions a Motor Club rally has even been run in, J. N. Leach and J. H. Daker brought back the Slow March Rally honours to the University in their Austin Mini last weekend.

The event was jointly organised by the Motor Club and Coltech M.C. and took the competitors over 185 ice-bound miles through the Welsh Marches.

The field of 35 was led off by the Sirocco GT of Betts and Phillips (Coltech) at 11.01 p.m. last Saturday to take the main roads to the first control near Cleobury first control near Cleobury Mortimer. From here the competitors took a country

lane route around the Clee Hills.

Results:
Ist J. N. Leach and J. H. Daker,
Austin 7, BUMC.
2nd D. H. Jones and A. C.
Gooch, Anglia, Coltech.
3rd J. L. Sadler and H. E.

I. N. Leach and J. H. Daker at the Slow March Rally.

CIVILS SLOW BUT SURE

THE inter-departmental Basketball knock-out competition was won last week by the Civil Engineers who beat the Arab Society in a slow but skilful final.

The first half of the final gave the Arabs a narrow lead, but the Civil Engineers took control after half-time. The Arabs and A. C. Anglia, Coltech.

L. Sadler and H. E. ditter and the same in the civil Engineers' favour, and they built up the score to 40-31.



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LADIES' LACROSSE: Sat. TN A MEMBER OF THE TURNER & NEWALL GROUP

Swimmers finish fourth in championship

expectations and broke the previous university records.

Bob Betteridge also reached the final of the backstroke, in sixth place. Over the longer distances Dave Skidmore was in his element and finished sixth in the 440 yards freestyle and fifth in the gruelling 220 yards butterfly.

SPECTATOR'S GUIDE

RUGBY: Wed. March 6th v BADMINTON: Wed. March 6th

Men's v. Manchester. Mon, March 11th: Mixed v.

March 9th v. Worcester Ladies. MEN'S SQUASH: Tues. March

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is arranged for pertinent academic study.

Bristol Siddeley representatives will be visiting the University on 6th February. Students who are interested in obtaining further details of these opportunities should apply to the University Appointments Board to arrange a meeting.

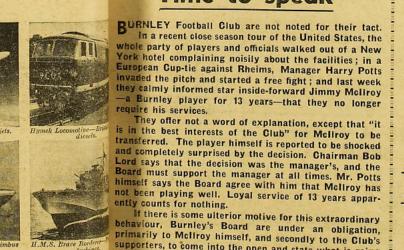
Alternatively, full information can be obtained from Pr. E. Stevenson, Chief Training Coffeen Pof A16, Briefel Siddeley.

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SANDWICH COURSES AT BREAKFAST



Sir Robert Aitken.

"WIDESPREAD in society," said Sir Robert Aitken, "is a desire to get hold of a prestige label for oneself. This is obviously hollow, as it is not the label but the performance that counts." The Vice-Chancellor was speaking, after breakfast at the Anglican Chaplaincy, on the "Problems

was speaking, after breakfast at the Anglican of Higher Education.

The Main problem discussed by Sir Robert was that of granting university status to CATs, technical colleges and training colleges. Hesaw no harm in CATs shedding their lower level of teaching and working at the same intellectual levels as in universities. It would not mean a mere replica of the present engineering degree courses, as sandwich coursees are a distinctive characteristic of the approach of Colleges of Teachpology.

'To what institutions should we extend the

"To what institutions should we extend the degree and university status?" asked Sir Robert. At this point he presented the aims of a university.

Here, teaching and research are developed, hand in hand, by the same people. "Therefore," he said, "undergraduates do study in departments with an atmosphere of advancing knowledge as well as collecting and passing it on."

Intimacy

Short-sighted

The Vice-Chancellor's talk promoted discussion. It was suggested that Oxford and Cambridge

Richard Hoggart.

Altering the status of ordinary technical colleges would prove more difficult and the question of training colleges produced "a very knotty problem."

All stops out for radiation safety

THE ever-open hand of the University has just been refilled by a gift of up to £31,000 from the Wellcome Trust which will enable it to build and equip a whole body radiation unit. The unit should be working by the end of the year.

Twelve inch thick sheet steel ficial sources.

Will be used to construct a "house" Large and very expensive sodium just large enough to accommodate a human body lying at full-length shahes of light when penetrated, which will be connected to the outside world by a two-way radio. Special lighting and ventilation arrangements are also provided to eliminate that feeling of "getting away from it all."

The 26 tons of steel used in the building, shield the body from cosmic radiation and other rays emanating from the soil; this enables very accurate counts to be made of the radioactivity present in the human body from natural or arti
The unit will be located in the Clinical Research Annexe of the Medical School alongside the Queen Elizabeth Hospital and will be used chiefly by the Postgraduate Students in Radiobiology, a course carried on by the departments of Science and Medicine for the last four years.

ROUND

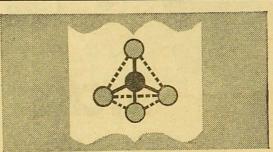
GET HEP

MICHAEL SHANKS gave a review of his book, "The Stagnant Society" to last week's Commerce Conference. He outlined the conditions necessary for economic growth and spent some time discussing trade unions in Sweden.

His talk was supplemented with sarcastic cracks at the public schools, the Treasury and Selwyn (a subtle Machiavellian character) Lloyd.

PETER CRAIG WOOD, of Commerce hopes to form a Go-Kart Club, and will be delighted to hear from anyone interested. "I have contacted several people who already have their own machines," he said. A RE you sick of the Hop

Sir Robert saw the higher educational problem as connected with class structure in society. There is not merely a desire for the same opportunities but for the same label. He saw the latter as being short-sighted in worrying about the outward status without being sufficiently concerned about the inner realities. HOP-HATERS



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NEWS DESI

Redbrick, March 6th, 1963



Dame Edith Pitt being "confiden about the next election.

There is an intimacy between teachers and taught. Sir Robert made a contrast with the Continental attitude which is "Here is learning—take it or leave it." The aim of the British university was to have friends and partners in common enterprise, and the Vice-Chancellor doubted how far and how fast this could be extented to the new institutions.

The third and not-so-important characteristic of the university was its self-governing position. The question arose as to whether this could be applied to training colleges with their necessary intimate relation with the education system. may have put forward similar arguments against the extension of status when the Universities of Durham, London and even Birmingham were emerging.

"I was an eleven-plus

"IT was a cold March day. My shoes didn't fit very well and I did badly," admitted Richard Hoggart, explaining that he had failed his Grammar School Entrance exam. This was equiva-

"I would not have got into a grammar school if my headmaster had not asked for the essay I had written to be re-read. Then again, I was an orphan and the Leeds Board of Guardians kept an eye on me, and paid for my further education."

failure"

lent to the eleven-plus.

Professor Hoggart had been speaking at a Manchester meeting of the Campaign for Education, and felt that things were better ncw. "Luck, conditions. money, the attitude of parents: all used to play a greater part than intelligence."

RUSSIAN GETS A DEGREE FROM BRUM

Russian scientist an honorary degree. He is Academician Sergeevich Neminchov, a member of the Presidium of the Academy of Sciences of the USSR.

A University spokesman said: be honoured since 1913, when Mme "It appears that he will be the first Russian scientist to join the University's roll of honorary graduates."

Not only is Academician Neminchov the first Russian Scientist to Mr. Neminchov, who is 69, held University from 1923 to 1948, when the Chair of Statistics at Moscow University from 1923 to 1948, when be honoured in this way by Birman of the Council for the Study mingham, he is also the first scientist from Eastern Europe to U.S.S.R.

LOOK AT THE RECORD

WE are being critic quite a bit these but people really ough look at the record." In Edith Pitt, M.P. for Edith Pi

Avoid cynic of eld

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