for visitors DIDO open

Fond farewell

returned by Mike Down opened the new visitors' entrance to the DIDO reactor, at a ceremony last month watched by former reactor staff. ohn Baxter, UKAEA's director of nuclear operations, formally The keys to DIDO were

work. He said, "UKAEA leads thanked John Buffery, the field' after several decades. the field in nuclear decommis ing the project on time and to services buildings. The work Technology and other contraccost and Nukem Nuclear, AEA project manager, for completeventual clearance to a 'green DIDO's decommissioning until handling bay, garages and tion contractors for DIDO's Nuclear Ltd, the main demoliepresented the closing phase of dministration block, reactor nanaging director of Nukem In his remarks, John

reactor looks like. PLUTO achieved criticality a achieved criticality on 7 said, "There was always a sioning and now we can show visitors what a decommissioned Built in 1956 DIDO It's sister reactor

to benchmark against the other reactor teams that spurred each healthy rivalry between the and continuously improve

the primary circuit experiments were unloaded and enriched uranium fuel In the first weeks after closure it element redesigns increased this megawatts, but successive fuel designed to operate at 10 the 'heavy water' drained from decommissioning. All its highly underwent the first stages of to 26 MW in 1977, at which power level it operated until final shutdown in March 1990. DIDO was originally

external buildings were demolthe 'shell' constructed. stoning programme were completed with demolition of ished and the new entrance to few months the remaining the cooling towers. In the last initial phases of the decommishave been removed and the outside the main reactor block Since then all the facilities



new challenge as tech director at PowerGen John Baxter left Harwell at the end of February to take up a

years John's career made a sig-nificant move and a major step forward. In the process he acquired many friends and he had the happy knack of convincat the age of only 26, was given around Abingdon becare! It has been great fun working with mountain bike. During my last few weeks 1 you I missed. Sincere thanks to have tried to see as many of nuell and Culham to

Presenting the gifts, colle: and friend lan Caine remar Friends gathered in the Mar Building to wish him well and tribute to his memorable ca

Daughters to work

this date, providing that: to Work Day' is Thursday 30 April. The age limit restricnated 'Daughters

- · Girls taking part should be at
- Please notify relevant building work day

For visitor advice at other sites please contact your local head of administration.



THANKS FROM

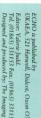
farewell. Apologies to those of

- · Visit notices in by 28 April or

THE COPY DEADLINE FOR THE NEXT ISSUE IS: Monday 20 April for publication on Wednesday 6 May 1998.

vell, giving the glass a straw-coloured hue. weight in the shape of the reacto lower at Dounreay and annealed

reactor building. This had been fabricated by the waled by Reuss Ltd in their radiation of the coloured buse



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ty to expand due to its extensive development plans and space," facilities for our present needs

progress, UKAEA commercial manager, Ian Rodham, said,

Looking ahead to further

"We are presently bring forward

comments professor David

and also gives us the opportuni-

THE NEWSLETTER OF THE CULHAM SCIENCE CENTRE & HARWELL BUSINESS CENTRE

APRIL 1998

SA business acquired

quality and safety assurance (QSA) business of Nycomed purchase of the industrial Amersham plc for £16.5m. added a further specialist arm with the

for customers worldwide. aircraft and engineering indus-tries, also static control, calibradestructive testing in the oil, ties include products, services 31 March 1997 with profits of tion and environmental services nearly £4m. Its principal activiand radioactive sources for nonover £38m for the year ending QSA business recorded sales of Formerly known as Amersham International, the

recognised that the division would complement its own forward. AEA Technology innounced that it was seeking a partner to take its QSA business In June last year Nycomed

transferred from Amersham Laboratories to AEAT's operations in the UK will be where there is potential to grow. nuclear science operations Manufacturing plant and

people based at Amersham. four years. QSA employs Harwell premises over the next nsweig in Germany, three 300

at Shenzhen in China. North American locations and





Prof David Young (left) accepts the keys from UKAEA's Simon Ramsell

cancer and asthma using

specialises in treatments for and employs some six staff. It

natural ingredients

relating to cancer research and the facilities at Harwell will allow many of these to take

seminars and conferences

Energiser plc organises

place on site.

"Harwell offers us ideal

March. The company was pre-viously located at Pangbourne

of science and technology. an established network of

companies working in the fields

the Cockcroft Hall in early the 2,500 sq ft premises near International Business Centre.

Energiser plc moved into

Young of Energiser plc. "Added

A pharmaceutical company has taken occupation of building A 147, marking this year's first significant letting at Harwell

Harwell energised!

space to let." healthy number of enquirie about the rest of the available planning consent and have a 300,000sq ft of new space with plans with private developers for











Linda quits



eCHO April 1998

UK attracts **US** innovation



Dick Cooper (left), Ceravision MD, and director Tim Reynolds with one of th

dynamic hi-tech company formerly based in Silicon Valley, USA, has been persuaded to return to Britain due to a new collaboration with CLRC Rutherford Appleton Laboratory.

display screens by butting together four-inch ceramic tiles up to the millennium the prototype products. In the run equipment to help develop its clean rooms and state-of-the-art three-year contract to operate license affordable, flat panel company aims to develop and microstructure facility (CMF) have access to the central from the Chilton site and will Ceravision has signed a

CLRC has taken a stakeholding with a 'seamless' joint As part of the agreement

New heads of

combining our world-class work in partnership with young CLRC's commercial director. explains Dr Allyson Reed moving global markets" springboard for them into fastbusiness ideas we can provide a expertise and facilities with their

to help industry." deal with CLRC represents a new opportunities for young, innovain 1982 because there were few Cooper, comments, "I left Britain commitment by the government tive companies to prosper. This Ceravision MD,

Obituaries

Dr Joan Freeman 1918-98

Following her childhood in

Britain, obtaining a PhD in nuclear physics at the Cavendish radar establishment in Sydney Perth, Australia, her unique There she met Dr John Jelley, career began in the wartime married him and pursued Laboratory in Cambridge

She joined the Van de

America, Europe and her home demand as a lecturer in papers and was in much published over 100 scientifi reputation for her work in fun 1960 winning an international Tandem Generator Group in became the leader of the Graaff Group in 1951 and ntry of Australia.

Medal of the Institute of Physics. Blin-Stoyle, the Rutherford awarded jointly with Prof RJ Society, and in 1976 was the Institute of Physics and a Fellow of the American Physical was the first woman to Joan was made a Fellow of

from Harwell in 1983. She retired

Physics" (pub. Adam Hilgar) in physics, paving the way for later ists. In 1993 she was given hich she described the struggle In 1991 she published orary Doctorate at Sydney

watching and painting Her other

George Carter





Clubs' jazz trio. He and his wite five grandchildren. member of the Three

Colin Ashmore

After a short illness, Colin Ashmore (46), died on 27 February. Colin had worked research chemist. His many

ns (pictured ECHO will

remember his sense of humour and his contribution as a reliable and dedicated work was widely respected

Study reveals Oxford pollution

measure traffic pollution in the

AEAT has conducted a further out in March and April last year heart of the city. Following a study carried



ard at the Autotech Congress for his

tribute to pulmonary and respira-

Strategy, which is exploring options to pedestrianise and keeping cars out of High Cornmarket and Broad Street council's Oxford Transport part of the city and county

EA Technology's trial by installing sensitive moniAerosol Science toning equipment at Carta is working with Oxford, at the busy junction of Oxford City Council to High Street, St Aldates, Commarket and Queen Street. High Street, St Aldates,

to date and are thought to concarbon monoxide, nitrogen tants in the atmosphere such as dioxide and particle measureand volume with levels of pollumation on weather, traffic types have not been routinely measured detect ultra-fine particles which The studies combine infor The equipment is able to

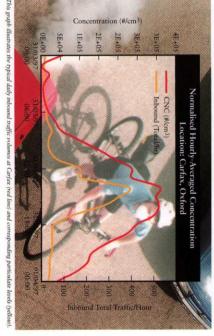
The findings will be used as

common for local authorities up of research and typifies the type of work which is becoming more and down the country," says "This is an important piece

new legislation and give reassuris acute public pressure on govmanager David Booker. "There monitoring package may in the future be coupled with the concerns. Our air management ance to allay current health ernment bodies to formulate identify pollution hotspots." Groundhog equipment David Booker and colleague

ist scientific journal. study for Keith Earnshaw have written an Environment Journal', a specialarticle based on the Oxford 'Atmospheric

company vehicle fleets. help large organisations assess, and reduce, the emissions from offering the same techniques to Inventory (NAEI) and is now the government's National the future. AEAT also compiles Atmospheric reduce overall emission levels tive industry and fuel suppliers to working closely with the automo-The Aerosol Science Centre is



ST2000 is a new consortium involving AEA Technology and other organisations that have expertise in Microsystems Technology - miniaturisation involving compo-Microsystems Technology for AEAT At present MST is mostly used for transducers, however,



ing the formation of groups to help promote the uptake of MST in Europe. adopted this technology but European industry has been slow to realise its benefits. In Japan and the USA have adopted this technology but response, the EU is encourag-

> medical, aerospace, industry, especially in the sensors, actuators engineered components like over the next few years, microsector of the manufacturing applications in almost every miniature structures will find

co-ordinator, Ruth Harper.
"We offer advice and support
from the initial conception of a "MST2000 can help busi-nesses exploit this technology and gain competitive receive a free feasibility study ture and packaging. advantage," says AEAT project product through to manufacand project proposal"

Government launches environment plan

Keeping railways safe

spoke to the 250 delegates, presenting industry's response to this ust a fortnight after visiting AEA Technology, John Battle, minister for science, energy and industry, hosted a conference in London to launch the first evere business plan for the UK environment industries. AEAT chairman, Sir Anthony Cleaver also

UK's share of fast-growing industries to improve their per-formance and increase the government's Joint Environwork with the nation's green plan showing how JEMU will sets out a three-year action mental Markets Unit (JEMU), The plan, produced by the

global markets. The aim is to form a part-

management projects.

the world marketplace. For example, AEAT has been leading the fight against air pollution in China, Thailand nership between government and industry with the common purpose of and Hungary with air quality improving the environment and competing with success in health spokesman, was is Liberal Democrat Harris. He spent time at both Culham and Harwell about the many facets of AEA Technology was local Oxford West and the clinical trials centre particularly interested in McCree. Dr Harris, who Abingdon MP, Dr Evan corporate affairs, Andrew sites with director of

Another VIP who learnt





where AEAT is helping to John Battle (centre) learns about AEAT's lithium-ion batteries from Rob Neat (left) and Dr Peter Watson during his visit last month.

Satellites run on Li-ion power

atellites of the future could incorporate lithium-ion (i-ion)
Shatteries of a kind developed and patented by AEA Technology.
Solar power is used when a spacecraft is in view of the sun, but
batteries are needed to travel into Earth's shadow. Lithium-ion satellite technology. batteries are more than twice as powerful per kilo as existing

A £795,000 contract has been signed between AEAT

be particularly useful where the railway is seldom used or where track sections are long.

of SSI will

subject to rust and flooding

have been used. They meast the reduction in electrical res

being developed by

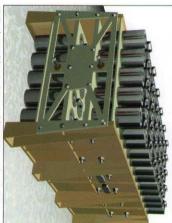
of trains is set to be

and GEC Alsthom to develop software that will link 'axle

advice from Matta Marconi Space, the leading European satellite manufacturer. As part its Science and Technology Agency has asked AEAT to supply lithium-ion batteries for Evaluation and Research of this programme, the Defence designs for use in space with British National Space Centre lithium-ion battery module are jointly developing several AEA Technology and the

launched next year. Research Vehicle satellite to be

television signals to Earth. source for tomorrow's satellites as they transmit mobile phone and an important and reliable power confident that the batteries will be and provides licences to Sony and Matsushita, which sells under the Panasonic name. AEAT is 1970s, AEAT holds key patents ion technology since the early Having worked on lithium-



AEAT is designing lithium-ion batter,

through technology most successful products, Tremcards and Chemdata. The National Chemical Emergency Centre (NCEC) has launched Windows versions of two of its Centre

Windows see



The new Tremcards package can produce versions in up to 24 languages, as they must be in the lang through which the load is travelling.

Council (CEFIC).

software packages, making them even easier to use. Chemdata is subsidiary has updated the Based at Culham, the AEAT in tilting trains Virgin invests miry says project ma

support to Virgin as it invests £1.85bn in a fleet of new tilting trains which will be the most Aproviding technical

principally used by fire brigades.

ports, airports and industry for

It now has

main line and Cross Country routes, the tilting trains will offer Destined for the West Coast

the highest standards the degree of smoothness, noise engineering business has been slight angle. AEAT's science and travel faster around curves at a assessing many factors including passenger comfort, being able to

levels, air conditioning and meeting the timetable.

Branson gives live broadcast

Tremcards are used by those

on innovation in management and was government endorsed Afterwards a panel discussion, chaired by AEAT chief executive Peter Watson, and including TEC chief executive, Barrie Giles screening of the 1998 UK innovation Lecture and to hear a pre-sentation by Virgin chairman, Richard Branson. AEA Technologies and the Heart of England TEC sponsored the Ive link on 31 March. It was one of 40 such links to the lecture in London which centred ess people visited Culham

CCHOBRIEF

Updated doses

by NRPB. The document sh assist those who undertake m their application. The GDLs based on an effective dose of c NRPB has published Revised authorities. Copies can be boug direct from NRPB information office or ordered through the st (GDL) for radioisotopes Generalised Derived Limi The GDLs a

Artificial hip testing

fitted annually but they can fail due to fatigue and wear. After June 1998 all orthopaedic implants will have to meet tough new European safety standards under the Medical Devices Directive (MDD)
AEAT offers an independen

New Regulations

May 2000 -1985 (IRR85). Revision published proposals to revise lonising Radiations Regulati At the end of February the He text can be viewed at the HSE Sooks on 01787 881165. The Safety Com

Enigma V adds three

Distributors Ltd, the largest GRP and composites.

has local liaison Tokyo visitor

involves touring UK nuclear Office, Tokyo. His fellowship DTI from the Prime Minister's director of Japan's Science & Technology Agency and is on a secondment fellowship with the officials and interest groups. department and had a working lunch with local councillors pent a day as the guest of UKAEA's corporate communications Mr Furunishi is the deputy lembers of Harwell's Local Liaison Committee (LLC) were called in to advise Makoto Furunishi on local community relations with a licensed nuclear site. He being. The Japanese visitor met eight LLC members including how the committee came into tation on the UK nuclear debate local liaison secretary, explained and Nick Hance, Harwell's affairs manager, gave a presen

community haison in Japan will be used to improve Andy Munn, UKAEA media

explained how it was important

Stephen White, head of site,

operate in the UK. His findings April - to learn how LLCs sites - he visits Dounreay in

Horse District Council, and chairman of Vale of White

Cllr Joyce

Hutchinson



changing into an international business centre. After posing for at a time when Harwell was to inform the local community

a photograph in the oriental style garden at the rear of the was given a tour of Harwell. Marshall Building, Mr Furunish



with FRA members who will put the

Fusion on display

Fire engine enroute to Beirut

exported to Beirut. duties and has already been

Fire Brigade since August 1976 up of current and ex-fire organisation, primarily made areas of need throughout personnel, which provides Europe and North Africa. humanitarian aid and relief to The donation follows a

breathing apparatus, which was previous gift to the FRA of

It will be re-equipped by the FRA for civilian fire fighting

The FRA is a charitable civil emergency services. The BA sent to Sarajevo (see ECHO July fumes from a burning building. including a fireman overcome by Fire Service, saving two lives hours of delivery to the Sarajevo equipment was put to use within has put extreme pressure on the 1997), where the Bosnian was

of the old steam ducts, work was

After the decommis

footpaths and cycleways. construction of 1,550m of

around the Harwell site will made easier following the

01268 694068 the work of the FRA, please cal For more information about

is being used as a temporary one development work cycleway until the start of phase

The

established horse

Construction work is now mostly complete. The pri Hill & Sons with trees procured and planted by JCL.

addition, the old Library Avenue spine road and Dido Road. In along Fermi Avenue, the new made for cyclists with routes Further provision is now being carried out to improve footpaths

note that the majority of visitors were non-scientists who were not familiar with the work carried out at Culham and repre-Aweek (SET98), UKAEA Fusion sented a fresh audience. 200 visitors. PR manager, Chris Carpenter, was pleased to ors to the general public and was delighted to welcome over

when can I come again?" R Wigzell, age 12.

COMPASS, experiments were fun" R Hancock. very helpful staff, learnt a lot, we had an interesting tour of

"a truly worthwhile visit. Staff gave a first-rate friendly explanation to all the experiments on the tour. Please have another Open Day" W Marks.

Computer helps CAB pilot take off



Advice Bureau and has helped Abingdon & District Citizens has been donated by UKAEA to the

pig', but a computer was required. UKAEA has been an active CAB would be a suitable 'guinea national association felt Abingdon contained on a CD-ROM. The

'Friends' in that time like Nirex and NRPB, a total of supporter of the bureau since the £10,000 has been raised by the Abingdon CAB' five years ago. formation of the 'Friends logether with other sponsors

Grammar School, Milton School Primary School, Burnham (an Oxford charity working with donated surplus computers to the East Hendred Trust, Youth Works UKAEA has also recently

of FIZIS in NY 2:EE15 CHOPARD

RUMMER'S



ones (left) as she cro

Marion Unlimited crèche, deserves to Marion Jones, nursery assistant at Harwell's Kids Marathon later this month s thousands of runners

prepare for the London Jones

put her feet up.

this important access road and we hope that staff who use the nursery. Clocking up a very respectable time of 5 hours, 33 minutes, 31 seconds, Maz endured a torrential thunderstorm during the 26-mile route. looking after her toddler group at and swimming before a busy day ration, training around the site spent 15 weeks in gruelling prepahad not run a marathon before, for disabled children. Maz, who York Marathon in November last raise £3,700 for Whizz Kids, a year and has so far managed to She competed in the New

thank sponsors including UKAEA and the White Hart children, she would like to addition to support from endeavours, she also raised funds with a sponsored pram nursery staff, parents and and Chocoholics Raffle. race night, Halloween Disco push, cake stalls, face-painting, Not content with

pub in Harwell village

Promoting green journeys management committee and Friends group, with CAB managers, Diane Armstrong (left) and Doreen Kinsler. ittee and 'Frie new technology will allow the entire information system to be library of reference books. The system, supported by a mini sheet paper-based reference Abingdon have used a 68,000nationwide launch later this year. System' on computer prior to its the new 'Electronic Information the branch achieve selection for branches - to test and evaluate a national pilot scheme. out of the total 750 UK To date, CAB advisers at Abingdon CAB is one of fifty and Corsham Scouts.

planting on the south side. Ian been complemented by new tree side of Fermi Avenue have now chestnuts along the northern

have taken the opportunity to complete avenue planting of Rodham, UKAEA's manager for the project, comments, "We

Fermi Avenue will

enjoy the

ast

will tour Britain as part of the UK's presidency of the European Union. There were visits to the COMPASS and world famous START experiments and hands-on experiments including high speed video and liquid nitrogen displays. Their comments included: Visitors saw the European Fusion Programme exhibition which

"thoroughly intriguing and very exciting. Good fun - very friendly presenters and very clever as well. Well done,

he ninth and last Harwell Charity Ball was enjoyed by over

350 guests, raising over £3,500 for local charities and
bringing the total tauly to an annazing £23,000.

The star raffle prize was a trip to Costa Blanca, donated by

offered the holiday for auction to raise still more funds

others Michael and Tony Hrycko building contractors of Did winning ticket belonged to Tony Hrycko who generou Tribute was paid to organisers, Janette Boram, Susan Bown

ula Manfredi and Grahame Murphy, whose dedication and h

Funds will be shared by five charities: Didcot Hospital,

"very impressive and informative, we would be most interested in any future opportunities to see other parts of the site"

J K McMahon.

spares for VSO venture WANTED - Books and

RAL's space science depart-ment for eight years, will be service overseas) placement in take up a VSO (voluntary giving up home comforts to n June of this year Alan Wood, who has worked in

the Federal Polytechnic in level first year undergraduate Damarturu he will be teaching a wide range of courses at our 'A' As a computer lecturer at

would appreciate any spare parts. Finally, he is looking for a reasonably priced laptop maintain these machines he several 386 pc's with 4Mb RAM and 80Mb hard disks with donate any relevant books which might be gathering dust on shelves. The polytechnic has computer notebook. Alan has made a plea for staff at Culham or Harwell to Epson 24 pin dot matrix As he will have to

Staff can contact Alan for more information about the forts, this is a personal goal I've had for many years and I feel with my level of experience and courses he will be taking, on R6420 or a.wood@rl.ac.uk take the challenge." motivation, now is the time to Alan. than fifty pounds a month," says tions, I will be paid the local rate for a computer lecturer -

"To give some idea of condi-"Despite all the discom-



Alan Wood heading for a VSO post in

We're banking on Paul

Abingdon with his wife, Karen, who also works for the bank. branches, Paul comes from the Reading area and now lives in branch in 1997. Previously a manager at one of the Oxford manager Paul Whatley who joined the Curie Avenue elebrating 25 years' service with Lloyds Bank is branch

mortgages, personal loans and Cheltenham & Gloucester lending requests, including Harwell site - Paul deals with As well as managing the branch - the only bank on the

closely with teachers to select

"It's important that we liaise

experiments that will not only be

also link into the National

Baines, RAL school liaison officer. Curriculum", commented Rachel fun for the pupils to do, but will our Oxfordshire teachers spent a day at CLRC Rutherford Appleton Laboratory to help choose experiments for school pupils to carry out during the Open Days in late June.

Open Day plans

Teachers help



the bank specialise in particular are an existing Lloyds customer. banking needs whether or not you products. We would, of course Lloyds Bank marketing group financial addition, Matthew Hicks is a sible for foreign services. finance and Pat Belcher is responmanager, can advise on personal Barnes, our customer account is a mortgage arranger, Caroline areas" says Paul. "Jayne Tidmus other areas of customer service. delighted to discuss all your "My seven other colleagues at adviser representing

Great support to give up

day speaking to scientists and

The teachers spent a fruitful

them", she said.

the young pupils more, but realise that we need help to present our

world leading scientific research at

level that will interest and excite

sented.

two primary schools were repre-She was particularly pleased that

"We would like to target

the atomic and molecular neutrons are used to investigate where high power lasers and science divison the group saw creation of Web pages and in the computing they discussed the instruments are built and tested engineers in a number of areas Since her birthday last year in July she has managed to give up smolding, having been on 20 a day for about 30 years. Her Linda has raised £150 for the Radcliffe hospital as a result sponsored by workmates and special care baby unit at the John where many others have failed. Finance has triumphed inda Haynes of UKAEA has been

Wallingford School and (from top)
Sharon Smith, St Nicholas CE Primary,
Sharon Smith, St Nicholas CE Primary,
Ruth Parry of Didcos Gris and Obristine
Foord, Stephen Freeman County Primary,
Didcos, with a model of satellite orbits.

prior to space launch.

Wednesday 1 July. See the May and June issues of run from Friday 26 June to CLRC RAL Open Days will

ECHO for more details.

structure of materials.

nicotine patches and invaluable visited RGIT, the occupational if he wasn't," recalls Linda. She weekly counselling from expert health division, and received free cigars and I didn't want to smoke "My husband Fred gave up

Vednesday 22 and Thur

be held on Tuesday Please note that sessi Social Club. They will

They will

Vicky Rose.

Giving blood

welcome, whether or not you



(left) has been) has been supported in her colleagues like Nicky Sanford.

to nibble since giving up. If only there were patches to lose weight!" she says. down the colleagues who have been so supportive. "I do tend socialising, Linda will not let temptation, particularly when Although she still faces

Sraeliex

the Holy Land in February. Harwell, and NRPB staff, visited including some past and esent members of Culham, Harwell and Chilton

and the highly visible signs of military activity, the pilgrims spent nine absorbing days in included Jerusalem, Qumran, the Dead Sea, Jericho and Galilee. As some pre-Christian sites. were opportunities to explore Nazareth and Capernaum - there well as seeing traditional holy Israel and Jordan. Their itinerary places - such as Bethlehem Undeterred by threats of war

to Sodom, with the whiff of sulphur in the air was a unique Petra", 1300 feet below sea level, near experience, as was visiting Harwell's PR manager. Masada and the lost city of "Staying at the Lot Hote said Nick Hance.

year-old city." to the sombre mood of the 3000 sandstone. The sonic booms of Jordanian airforce jets all added buildings carved out of pink amazing place with its gigantic He went on, "Petra was an

in profusion among the minefields on the Golan Heights. Splashing Allenbey Bridge, with its six checkpoints, contrasted with the Jerusalem's limestone rocks. half a mile along Hezekiah's Vivid red 'lilies of the field' grew tranquillity of the Sea of Galilee unnel, 200 feet under The tensions of crossing the

The 100ft high Treasury Building at Petra was featured in an Indiana

H

ΑF

Culham/Harwell Lost time accidents Total this year Recorded since last issue

Recorded since last issue Minor accidents (no time lost) Total days lost in '98

Total reported to HSE '98 0

incidents and no non-radiolog-There were two radiological Total this year 35

Soil samples the last issue of ECHO. samples on Authority

were checked, and a new system

property just outside the south side

declared fit for use.

The cause was a faulty air coupling.
Although there were no radiological consequences all the other suits A contractor's em leave his decor A contractor's employee wearing a pressurised breathing suit had to **Breathing Apparatus Failure** of radioactivity in soil vary when the air supply to his suit failed ange of reasons).

Monday May 4th 1998

or John (01235 812726). (01235 827891)

Seminar's

full and varied

by MRC, running from April to the the speaker's host. For up-to-date details, visit the MRC website speakers. Anyone wishing to talk to end of June, involving many eminent

$\operatorname{\mathsf{OUT}} \otimes \operatorname{\mathsf{ABOUT}}$

can only be reached by climbing 850 steps cut in a mile-long cliff path

BNES Lecture

trumpet on the walls of Jericho!

director of Harwell, playing another experience; as was Dr water course by candlelight, was negotiating a half-metre wide The 150ft high Monastery Building at Petra

Tony Hughes, a former assistant

(Building 153 at Harwell), 6pm for on Nuclear Licensing'. The talk will 6.30 pm. Everyone is welcome. Contact Louise Gould (H2827) for of the BNES Central England Branch Dr John Crofts will present the Wednesday 15th April

East Hagbourne Fun Run and Walk

Hagbourne starting at I I am (registration by 10.15am). The 4¹/₂-mil West Hagbourne, Upton and (01235 815897), Joe donated to the Roy Castle Lung Cancer Foundation. Sponsorship. adults and 50p for children and spo The 9th Annual Fun Run and Walk entry forms are available from sorship money will this year be Blewbury. The entry fee is £2 will take place in and around

MRC Summer

Compton Players' Spring production

The Compton Players will be 23, 23 & 24 April

Corban reports his wife missing from their holiday chalet in the French. Alps, he doesn't expect to be plunged into an unbolievable nightnare. The ingenious plot will keep the audience guessing right up to the final curain. Tickets are £4 (senior citizens and children £2) from Judith Bailey on 01635 578443. forming 'Trap for a Lonely Man' by Robert Thomas. When Daniel

A Steamy Easter



Monday 13 April Friday 10 April to

During the Easter wee

Railway Centre with the return of No5051, Earl Bathurst, together with No4073, Caerphilly Castle, the very first Castle built at Swindon in 1923. crass were the most powerful express passenger locomotives in Great Britain and were only replaced Western Society is celebrating 75 years of the Castle class at Didcot



Putting for pleasure

fines levied against offending players at will. These range from a miserly 5p for any wide or no ball bowled, through to 20p for a mis-field that resulted

sum of £228 to Leukaemia Research. It's hard to believe, but with that sort appeal to the fines adjudicator if the drop was particularly bad!! in a run, up to 50p for a dropped catch which can be increased to £1 on

As a result of these fines, the club has just forwarded a cheque in the

bowling green behind Lloyds Bank is being converted into a golf putting lawn. Members may pre-book the lawn by ringing H3296 and may draw putters and golf balls from the rec. assoc. for a small cover charge and deposit. Would you like to spend your lunch-hour in a restful and relaxing way? The

Welcome Jill!

having been educated at the Licensed Victuallers' well qualified for life in the between 9.30am and be found in the office Jill Parker, pictured here 2.30pm weekdays. She is before Christmas and can assistant secretary just joined the rec. assoc. as



a long and happy stay at Harwell. tions and more than five years providing administrative support to an accountancy business in Walpukurau, New Zealand! Born in Swansea, Jill now lives in Didcot with husband Steve and two children, Kate and Robbie. We wish her months, spent over three years working in London for Thomson tour opera School in Slough, having variously ran a wine and spirits shop in Portugal for 18

Social Club catering

the full-size too much of a 'big bite'! Very competitive prices. Everything and single round sandwiches also available at half price for those who find selection of baguettes, large and small baps, sandwiches, plus a good range of hot food. Some appetising vegetarian dishes have recently been added (eg Did you know that the Harwell Social Club operates a hot and cold prepared to order. Telephone orders taken on ext H3296 Indian vegetable korma, cheese pasta & broccoli bake, etc). Half baguettes takeaway, from Monday to Friday, from 10.30am-1.45pm? There is a large

Rec. Association cards

be distributed at the end of April. Any member who subscribes by deduction from pay, and has not received a new card by Friday 8 May, please submit their card, renewal fee and a forwarding address to the rec. associacontact the rec. assoc. office. Other members wishing to renew should Membership cards for ordinary members (from I May 98 - 30 April 99), will

mis-field A costly

money for Leukaemia Club (HICC!) has over the have put in place a series of Research through the players' own misfortunes! HICC! Harwell International Cricket



tion. Contact H3296 with any queries

Fun Run this year please contact Steve Oliver H4072 or Graham Dennie H3389. of all abilities a decent game and if you are interested in turning out for the club their large contributions to this donation. HICC! would like to thank in particular Mark Cowper and Peter Kidd for of money being raised the club actually gained promotion last season and won a knockout competition for the third year in a row. The club runs a variety of teams during the summer designed to give players

climax

vidual ability. As ECHO the slowest joggers among Fun Run has been going goes to press lan Vatter of AEA Technology is well the Fun Run is cleverly winters and has included once a week for at least 16 of its winter season. The handicapped to reflect indi its winners. Anyone can win international athletes and Run is coming to the climax The famous Harwell Fun silver trophy because



lan Vatter (left) takes the baton in Harwell Running Club's attempt on the world 1500m

tition for best Fun Runner of the 1997/98 season ahead in the points compe-

one sprint and one longer distance, e.g. 200m and 1500m. at 12.45. Runners usually compete over a couple of distances each week in the cold and wet have no appeal, pull on the skin-tight lycra and give track Gate car park and track races take place every Tuesday lunchtime, starting running a try. The Harwell track is marked on the field south of the Main Harwell Running Club track season starts in May so, if longish distances

any age an equal chance. Don't worry about not being able to keep up. If you can't catch anyone else you can always chase your previous best and with runners of all abilities taking part, you won't be last. The races are handicapped by distance to give runners of either sex and

Running is a great way to health, fitness and it doesn't have to be a chore if you run with friends. Give Will Atkinson a ring on H4370 if you are interested in running club events.

Tennis coaching

like to improve your range of strokes, then tennis lessons may be of interest to you. Subject to demand, tennis lessons will be provided by an accredited more information contact Derek Bingham on NRPB 2839, email coach on the Harwell site courts on Tuesday or Thursday evenings. For If you are interested in learning how to hit a tennis ball properly or would derek.bingham@nrpb.org.uk

CHO FREE CLASSIFIEDS

H. Harwell; C. Culham; R. Rutherford Appleton Laboratory; N. NRPB; Ni. Nirex; J. JET and M. MRC. Ads can be sent directly to the editor at vipr@globalnet.co.ul Note: Telephone extensions given below are prefixed as NIREX are free – subject to a maximum of 25 words, on a first served basis. vertisements on this page Culham/Harwell, JET, L, NRPB, MRC and

are run for one

FOR SALE

new), £95. Tel 01235 skimmer. Will suit tropical or maine fish. £400 ono. Tel. 01869 DIRT DEVIL (Handy 150) vacuum deaner with dustbag and cord. No tools. Never used, still in box. (Cost £35). £20. J4528 or 01235 FISH TANK, 5ft × 2ft × 15in with Black Ash Unit. Includes lights, filter pumps, decor, UV Filter and CANOE; T Slalom ncy aids. £100. Tel R5367

6-speed and rear rack. Hardly used and garaged. £45 ono. Roof rails and bike rack. Halfords accessories, rails fit cars with gutters. Used twice only. Both for £15. GIRLS BICYCLE Raleigh 'Co-Co', suit 10 to 15 year old. Shima

GOLF CLUBS, Wilson Super Power, irons 3 to PW, woods 1, 3, t bat, Stuart Surrid size, unused. £25.

HI-CHAIR, Cosatto, folds flat.VG condition. £25. Pram, twin convertible with full range of accessories (carry-cots, rain hoods £185. Tel 01367 etc). Exc. cond.

species) and guinea pigs live on average 5 to 7 years. Females £11 each (£20 a pair). Males £10 each (£22 a pair). Helen White C3049 GUINEA PIG BABIES, smooth

PRAM/CARRYCOT, Silver Cross Super Bolero with steriliser £7.50. Various items of

> for me. Cost £85; will sell for £30. R6668. WALKING BOOTS, Brasher Hillmaster Classic, size 8, brand

ACCOMMODATION

ABINGDON, rooms for rent (£60, £50 inclusive) for nononths. Call now 01235

or 0958

Full use of all facilities. Prefer non-smoking female. £300 incl. bills. Julie R5231 DIDCOT Fur to let in moder Reasonable rent, su couple. Tel 01635

large garden, garage, plus off road parking. £900 per month. Tel or H2409.

AST HAGBOURNE WEYMOUTH Town Centre, one bedroom ground floor flat 100 metres from beach.
All amenities. NO PETS.
Phone 01235

indoor/outdoor swimming pools, bowling, entertainment, NO PETS Phone 01235 WEYMOUTH BAY (Haven), 2 and 3 bedroom caravans,

Tel: 01235 Harwell. Monday to Friday. smoker. £60 per week.

one H6806 or 01235

Tel. 01235

style. £10. Call Di Wright R6267 or 01235 and pine effect. Suitable for child. £10 each or £15 the pair. Hardwood front door, portcullis WARDROBE with drawers and 3 drawer chest of drawers. White

non-smoker preferred, approx £170 pcm exc. bills. Tel. Shirley ABINGDON, small room in

ABINGDON, room to let, shared kitchen and bathroom.

COMPTON, 2 bedroom modern cottage to let 11/2 miles from village. Reasonable rent, suit professional SCOTLAND, holiday cottage, borders region. Sleeps four, bed linen etc, provided. All mod cons. £130 per week. Tel 01235 SENNEN, Cornwall, apartment sleeps 4+ child bed. Close to sandy

DIDCOT, large Victorian 4 bed detached house to let. Unfurnished

views, sleeps 8/9 in airy, split-leve comfort. Safe sea bathing nearby

week. 01403

harm. £350-400 per

SOUTH WALES, Gower, holiday cottage, panoramic seclusion, sea

lease ring 01235

ch and in an area of outstanding ural beauty. For brochure

DIDCOT, small room to let in new. tidy house. Off street parking. 48 per week includes bills. Tel: Haria on 01235 (eves).

athroom, kitchenette, TV, own

NORTH ABINGDON Large double room to let in large four

NORTH ABINGDON. Room to let. Mon-Fri in four bed detached house. Own bathroom, double bedroom, non-smoker, £60 per week. Tel 01235 per week. Tel 01235 07970

NORTH ABINGDON - fully furnished house to let for 12-13 months, available 1 September. 5 Oxford. £1200 pcm negotiable, Council Tax and utility bills extra Tel: 01235 ns, detached garage. ncluded. Easy bus to

FORD FIESTA GHIA, MOT failure, welding required. Engine

ASTRA, J reg. 1.4 LS injection, red. approx 60,000 miles. Reliable and in very good condition, taxed

MOTORS

not'd . £4250 Contact Katie

ACCOMMODATION HOLIDAY

CORNWALL, Millendreath, nr Looe. Villa within holiday village, 200 yds from beach. Sleeps 6. May to September. From £95. Sorry no pets. Tel 01752 CORNWALL, Newquay.

windows, PAS, tow bar. MOT Nov. 98. £2,800. Tel: (Home) 01235 or (Mobile) 0802

MONTEGO Estate, 7-seater, 2L GTI (H Reg - Damson Brown). Root bars, alloy wheels, electric sunroof 8

DEVON, beautiful South Hams self catering apartments in wing of converted stone barn. Sleep four. Rural location, beaches and pets, private parking mins walk, secluded nearby. Dogs welcome AROMATHERAPY treatments, MOBILE DISCO, professional, for any occasion, weddings, MISCELLANEOUS versaries, birthdays and porate events. Tel Rick on rds ITEC, AIPTI 01235

VISITING CHIROPODIST - evenings/weekends in Wantage/ are you about to choose a primary school for your child, you may want to contact the secretary at Chilton County Primary School, Downside on 01235 . The school has a idcot area. Tel 01235 nda Whittle (member of the ritish Chiropody Association). led policy which will be of grea

HOUSE CLEARANCE, quality second-hand furniture, china, brass, linen, pictures, bric a brac wanted, courteous service, 01235 YACHTING, an invitation to join a crewing list for my 24 foot yacht. Age and experience not a requirement. Call John on 01235 or RSS 19. needs with quality food at sensil prices. Tel Office Bytes 01235 WORKING LUNCHES & BUFFETS, freshly made and delivered free to Harwell and

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your building is insufficient, please complete the form below and send to Rita Higgs, BS21, Harwell. do not receive a copy on a regular basis or feel that the supply to Multiple copies are delivered to each building on publication. If you ECHO is the newsletter for all staff at the Culham and Harwell sites.

echo April 1998

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