D-Day dead remembered

over 250 people braved heavy showers to attend the annual D-Day commemoration service at Harwell on 5 June. The chief executives of UKAEA and Rutherford-Appleton Laboratory were among those who laid wreaths at the RAF Stone.

those airmen and paratroops squadrons liberate Europe. In June 1944, before the D-Day invasion to from RAF Harwell the evening who gave their lives flying out Halifaxes and Stirling bombers The service remembered of Albermarles



iper, Alan Ryder, from Princes Risbo

invasion beaches for the Allies. enemy lines to make safe the troops, dropping them behind towing gliders packed with took off from RAF Harwell

the various organisations laid wreaths and group captain Reveille. Representatives from played the Last Post and the Abingdon Town Band the service. shone as Rev Chris Stott, Rector of Harwell conducted Princes Risborough. led by Piper Alan Ryder from representatives dipped as Joanne Grealy, from Oxfordshire units of the British Parachute Regiment and Regimental Glider Pilots egion marched onto the stone Carrying their standards, Colours were of The sun the

of the Gumea Pig club tor

RAF's wreath. Alan Beadie, from 38 Group HQ in High Wycombe, laid the

UKAEA's PR manager at Harwell hosted a tour of the site for 50 'Guinea Pigs' and staff this year's record turnout. Before the service, Nick Hance, surgery operations, helped swell had received two or more plastic 'Guinea Pig' club, of airmen who Representatives of the

Hangar 8 and DIDO. McEndoo Research Centre (who members from the Blond The tour included stops at pioneer work in plastic surgery)

provided refreshments. Harwell's British Legion Club wreaths on behalf of their staff and Bert Westwood of RAL laid Didcot acted as marshals and platoon of army cadets from John McKeown of UKAEA



Forensic scientists augment meticulous visual inspection with sensitive chemical tests to locate tell-tale traces of blood on a suspect's clothing.

smaller version at Farnborough to be incorporated In the late 1940s Harwel

atapult pit excavation deep. Leading off from this were a V-shaped pair of 85 compressors and a 1.7 metre Kestrel engines modified as the ground and could line up with either of the trenches. The metre long trenches. The catapult gear was mounted on a launch mechanism consisted of turntable with a roof flush with pairs of Rolls-Royce swimming pool; but in 1950 he decided to have it filled in. The grass in hot summers (see phosign showing up as brown buried to this day and the only forced concrete have remained catapult's 2,300 tonnes of rein convert the pit into Harwell's first director, to staff lobbied John Cockcroft

system capable of launching 30-ton bombers. Earlier planes had been in use on varships such as HMS Hood ersions for launching spotter work to design a catapult

The Mk III

diameter and over 3 metres

the length of the trenches.

ranean chamber 30

It consisted of a subter-

several

launched an aircraft.

several years, never actually 1938 and, although tested for was installed at RAF Harwell in

In 1935 the RAF started

Catapult, the largest ever built,

he 60-year old RAF Catapult Pit, located under the rugby football pitch at Harwell, is to be emptied of its backfill and refilled with freshly quarried materials.

never completed. The main cylinder of the ram and the air out through testing at 2000 psi diameter telescopic ram running reservoirs were removed in 1944 pressures and the catapult was main components became worn ram launched the aircraft. slot cut into it to take the hook straddled the trench, which had a The idea was that the bomber and the pneumatic tograph). Work will start next year amenity status. concrete will be left in-situ and the area restored to its original to remove 1,800 cubic metres structure. The original RAF under a the work will be carried out uranium ore in one location, so small amount of natural have shown the presence of a and replace it with fresh. Tests of materials from the structure weatherproo

at an atomic level.

"This is a great honour for

THE NEWSLETTER OF THE CULHAM SCIENCE CENTRE & HARWELL BUSINESS CENTRE

gains police approval Forensic Alliance



samples taken from suspects and crime scenes and add the DNA saliva and other material from convicted criminals. database for comparison with profiles to the national DNA able to take samples of blood, Alliance scientists are now

producing results speedily support to nineteen police forces, already provided forensic science Stockdale, said, "We have available from Forensic Alliance Managing director, Russell for

work even more closely with the police to ensure that criminals are quickly brought to justice" they strike again. We can now investigating officers who anxious to catch criminals before

the unsolvable' known for solving 'We are becoming

leading player in this highly specialist field. brates its first anniversary the all expectations to become the organisation has outperformed As the Forensic Alliance cele

Continued on Page 2



1,500 visiting scientists from around the world and its diverse reported in over 500 scientific and important findings are Laboratory in the USA he returned to RAL and became ment to Los Alamos National Each year ISIS attracts over important role in realising the funding for ISIS during the 1970s and ubovisited the facility earlier bits year. Coincidentally, Prof. Fender was also included in the bonours list, receiving a brighthood. Audreus Taylor is married to DP Reb Taylor, UKAEA band of conortee to was also to the control of the property of the professional and the property of the professional professional and the professional pr

director of ISIS in 1993.

and detergents, drug molecules and rechargeable batteries. superconductors, surfactan

JULY/AUGUST 1999

This Month

50 years on



Nursery raises £400



awards **Charity Ball**



D-Day ceremony

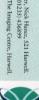


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Your contact is:
CathamHarveell PR manager, Nick Hanses, 521 Harwell.
Tel. (01235) 436909 Fax. (01235) 436899
Designed and produced by: The Imaging Centre, Harwell



in natural

Oxford. Following a second in natural philosophy and chemistry at Glasgow and his

areas as diverse as high temperapapers annually. Recent high-lights of the ISIS research

programme include studies

1975 after completing his BSc

neutron scattering," he said. forward for the future of at RAL have shown the way ISIS the envy of the world. We have worked so hard to make the facility and all those who

Andrew joined RAL in

12

serves the police, although this is cial organisations and some contracts for commerdefence sector, civil action cases supplemented by projects for the Its work predominantly

ously ground to a halt. unravelling a 15-year old ble technology at its disposal has led to a major breakthrough in crimes, some of which date back date, the Forensic Alliance has murder case which had previfor cracking the 'stickers' - a colseveral decades. The formidaloquial police term for unsolved gained an enviable reputation Even in its short lifetime to



using high-power light mid Specially prepar

school girl Billie-Jo Jenkins could not have breathed blood onto the clothes of her foster transferred during the assault at Culham helped to prove that and not as a result of exhalation. indication that the blood was had been attacked. Inhalation father, who claimed to have on the expertise of AEA not have taken place. Drawing insight into what may or may the organisation to give a clearer cases have relied on the results of toxicology reports gave a strong found the youngster after she Technology's aerosolisation unit Other high profile murder

best one to take. This is made possible by the enormous range MD Russell Stockdale. "In other and variety of technologies at our words, we offer to solve any problem that can be solved and not technology orientated" says hen consider which route is the "We are problem orientated

tation, and ACPO validation." ISO9002 and NAMAS accrediconclusive results where chance contamination can have disasplace and in our uniqueness. standards and we have achieved ties are run to the highest trous consequences. Our facili-"We have an overwhelming

the Forensic Alliance represents pride in what we have put in doors and the windows!" which was in danger of being stifled. We've thrown open the sea-change in a profession ouldn't be untrue to say that

partnership The Alliance

Harwell, for example. and 40 staff and can incorporate the unrivalled technical building F5 at Culham the Alliance employs between 30 With its headquarters located in resources available at B551 at

in 1961 and the Atlas Centre

director of the new laboratory Harwell, Culham and the UK

three specialist arms: Forensic Access, AEA Technology plc and Cellmark Diagnostics. arguably the most powerful structure which brings together profiling skills. It has a tripartite science, analytical and DNA combination ever of forensic Forensic Alliance offers a

Thanks to blood donors



Miniscale amounts of DNA from blood and other body fluids are prepared for amplification by PCR (polymerase chain reaction) before being profiled for the national DNA database.

disposal. It's this lateral way of tackling a situation that is so fruitful. In court our work will facts at the centre of the case. tioning which will elicit the critical also determine the line of ques-

million or less. We are also very aware of the dangers of such down identity to one in 68 conclusive, perhaps narrowing DNA profiling can appear pretty "Statistical evidence like

in 1948 he took charge of what position from Klaus Fuchs the division. He took over within the theoretical to the atomic bomb project and most powerful calculating became the Harwell-based which at the time was Europe's malyser', an analogue machine computing section The group's work 'ditterential

was born. Stretch computer, a British nachine of similar power needed and the Atlas project To keep pace with the IBM Its aim was

machine for its time with 48K words of main memory, 96K 19 large trucks, took a month tape decks word drums and 18 magnetic to install and was a powerful

computer-based forecasts. the Meteorological Office led to a weather forecasting model which forms the basis of current analysis. time-series analysis and test finite elements, crystallography there was application work in As well as nuclear physics, Collaboration with

cally apply the brakes if it is trav-elling too fast. The train cannot

(Chemical Industry Association) The launch took place at an industry event to celebrate the unveiled Carechem 24 to a part of AEA Technology,

for specific advice about remedial action.

contact the experts at NCEC services can immediately takes place the emergency Care obligations. If an incident

specially chosen target audience.

Smergency Centre (NCEC)

telephone number - a the NCEC emergency hotline to the service will be able to use

requirement of the Responsible

as their 24-hour first response

The National Chemical

assesses speed and will automati

The computer

continue unchecked if the driver

technical journal. networks and continued to work then became chairman of the the Rutherford Laboratory. Jack Jack's retirement in 1975 the Atlas Laboratory merged with national committee on computer s a consultant to ICL, editing its

Anthony Cleaver. on 25 June of Lady Cleaver, ECHO is sad to report the death wife of AEA Technology's non-executive Chairman Sir

Cardboard recycling at Culham

Recycling). Please note: skip for carbunary recyang a norm in proceedings of SCA car park between EI and D6 (dark blue and marked SCA skip for cardboard recycling is now in place at Culham in the



Please ensure that no other other material gets into the packaging, polystyrene Or end of the skip. There is an access door in one

during

Jeraine, Prof. Vass g his recent fact visit and was intere

Please ask cleaning staff for a black bag if needed for your

skip as the recycling company will then dispose of the entire

Obituaries

Jack Howlett

recently, aged 86. Jack Howlett, the first and only director of the Atlas Computer Laboratory, died

computing and influenced the was one of a select group who recognised the significance of and later, electronic computing. development of mechanical merical analyst

taught computation and He read mathematics at Manchester University before joining London Midland 1940 and 1946 he was a nalysis to engineers. Between ember of the Manchester Railways' where he

University group which built a

He leaves Joan, his wife, four sons and a daughter.

approached. board computer as the red light is radio signal to the train's ontrack-side equipment to send a

is distracted.

The introduction of TPWS

will

Atlas ran until 1973 and on

Technology said, "TPWS will greatly improve safety on the

worth tens of millions of pounds significant part of this project will be fitted with the equipment. AEA Technology will bid for a shortly begin and by 2004 some

Peter Dunkerley of AEA

LADY CLEAVER

to install the system." bidding to work with Railtrack satest in the world. We'll railways in Britain some of the Railtrack and train operators will introduce it universally to make railways. Over the next few years

seek to improve performance

Ukranian ambassador

visits Harwell

Amajor award for developing the TPWS (Train Protection Warning System) The Railway Inc. Rail safety award brakes to reduce the risk of

YOUR EMERGENCY RESPONSE PARTNER

24

he prestigious Queen Elizabeth II Conference

24-hour emergency hotline



emergency services with notline which will provide launch of a new 24-hour Centre was the venue for the

developed with CIA support. Companies who subscribe

Carechem 24 has been which encourages responsible Responsible Care campaign

chemical

port in any chemical

Virtual timetables

model of rail privatisation and timetables and faces financial compatible with AEAT's Merit computer to ultimately offer other countries follow the British potential for overseas sales software of its kind, there penalties for delays. As the only responsible for developing new Railtrack, which has funded the in the UK will increase by 30% the level of delays. Predictions Generator, the new software is service. structure improvements on allow them to make rail infra-Software developed by AEAT enables rail timetable planners to software development, over the next 10 years passengers the most reliable simulate new timetables and suggest that passenger numbers software package which predicts Called Timetable

5,000 trains and 10,000 signals across the rail network

for reliability Ford favours AEAT

to the market more quickly. by AEA Technology to test comonents and deliver new models he Ford Motor Company will use software developed

durability. prototype vehicles engineers will use nSoft to assess component its nSoft software to Force cars which are tough enough to sensors is interpreted by the gauges, accelerometers and other world. When developing technical centres around the nCode International, to supply agreed with AEAT subsidiary software. This helps to develop vithstand years on the road A \$600,000 deal has been Data from strain and

increases product reliability.

Ford chose to use nSoft nCode offers a full customer reliable than contemporary because it has proved to be more oftware packages also because

facturer, John Deere. companies including its truck, car motor manufacturers now employ nSoft fatigue analysis and lifetime US agricultural machinery manunSoft to all Volvo vehicle recently renewed a deal to supply software and other clients include Chrysler agreed a contract for the prediction software. and bus corporations. Last year support service.

Many of the world's major AEAT has



Potty ideas win title for convent girls

Oxfordshire Young Enterprise (YE) finals at the John Adams Lecture Theatre, Culham.
UKAEA and JET co efore an audience of nearry
300 people, NOTRE, a went, Abingdon, won the Our Lady's

variety of shields and cups. exhibited their wares and won a presented their companies companies managing their of Oxfordshire sixth formers sponsored the county finals that tested the entrepreneurial skills Seven teams own trading

Gorham (UKAEA) representing St Mary's School, Wantage as Green School in Witney. Ron guests and presented the trophies. One of these, the his wife Maureen, welcomed chief executive, accompanied by financial report, went to Wood UKAEA Cup for the best John McKeown, UKAEA



John and Maureen McKeoum meet the inflatable aliens on o on offer from Wood Green pupils

chairman of the YE Board. his school's Registration Plaque from Nigel Barfoot, the

their hand painted pots.

generated a massive 500% the business knowledge of the students. Headington School stands and were impressed with McKeown toured the exhibition fusion director and Derek Robinson, UKAEA John

sold from its sales of hand decorated NOTRE, realised £627 noise from a miniature gas capable of generating 130dB of personal alarm units The winning team profit

In his address, Dr McKeown said: "All the teams tonight are

Synexus celebrates

first birthday

products that included inflatable Green School sold a variety of Oxford United FC! Wood information about Oxford and profit selling CD-Roms giving Oxford High School start over the competition." their careers and have a head knowledge through experience. They will take that prize into winners; they have won that most valuable prize of gaining

staff from over 50 businesses petition, assisted by volunteer eligible schools of the leading counties with a massive 60% penetration in Oxfordshire has emerged as one schools entered this year's combecame a national organisation, Since 1963, when YE Some 38



work experience with an interr months as many as 20 students will join AEA Technology to gain at AEAT's environment business at Culham. trial applications. The third student, Susie Billington (centre) worked AEAT QSA which supplies radioactive sources for medical and indus AEAT's community involvement manager, Cathy Wright Henrietta Collins (right) worked in the administration offices of oractical experience. Jody Stephens (pictured left) worked alongside Three students studying advanced GNVQ business studies at Our Lady's Convent School, joined AEAT staff to gather useful Over the summer

they are given to people and most studies use drugs that have

Margaret on H4218. The centre at Harwell always

For further information contact

Many tests take place before existing drugs, are tested in drugs, or formulations of closely monitoring people taking new drugs. These new

All centres are staffed by a profes

caring for the volunteers who are taking part in the studies.

Clinical trials involve

company with nine centres, enrolling patie

nexus at Harwell is the result of a merger, a year en AEA Technology and the Edgebright Par

B220 Golden Jubilee

Harwell and it became operational in July 1949. he idea to construct a British radiochemical facility was conceived by Professor John Cockroft whilst doing nuclear research at Chalk River in Canada during the 1939-45 war. Dr Bob Spence led the design and construction of what was to become 'Building 220' at



ted B220 as

to provide clean air to the the windowless upper storey. A ground floor with all services on of laboratories in the building basic design segregated different of radioactive materials. conditions for handling all types tilation plant on a colossal scale The laboratories are on the radioactive hazards into 'wings would provide safe working he created a unique facility that from the then Ministry of Work radioactive dusts required a ven major safety feature to control Working with a design tean

gunnery range close to Hangar 10, and Cockcroft gave weekly 20 years constructing most of Harwell's red brick buildings. Wiltshire, who were to remain talks to the foremen on the site on the Harwell site for the next done by WE Chivers, a family ducts three metres across. Construction of B220 started in business 1947, on the site of the aircraft The task of construction was trom Devizes and visited B220 in 1998.



HERMES facility in the 1950s



erected in 1948.

such detailed attention to safety as recessed light fittings, materials such as lead and strippable rubber paint on surfaces for ease of decontamirounded corners and use of supply at the time. It included stainless steel that were in short The building specificatio

forces. One group of these Servicemen - The Harwell National Service in the armed included some doing their war science graduates and even work were the cream of postrecruited to carry out research nation should this be necessary. Fusiliers - still meets annually Many of the scientists

discharging via a 'stack' chimney. The ventilation plant

inated air for treatment before

building. This removed contam

200 tons of air an hour through

moves, heats and filters up to

gressed from early pioneering work to supporting a mature studies have researched safe analysis and measur includes their preparation the use of radioactive materials in B220 has covered all aspects of disposal of radioactive wastes in nuclear industry. properties. industry and medicine and Research work carried out in The work has pro-More recen ement of

be very successful and many additions have been made to it shielded cells. This remains facilities for remote handling completed in 1986 was to over the years to increase radioactive materials in concrete construct an extension of active range of specialist facilities A major addition the



Contemporary view of B220.29, the remote bandling suite, extensively uso by AEAT Nuclear Science.



(B220.29) in the early 1980s ceremoniously cutting the turf to star

ties to the original 'green field' UKAEA goal to restore its facili-

nent when they reach the

structed in the late 1950s.

very radioactive materials. used for plutonium and other

the active plants within the end of their useful life, many of

cut up 200 glove box enclosures development of a robot system to tories! One major task involved pleasant offices that were once contaminated radioactive laborabuilding have been decommis indeed staff occupy for use in industry and medicine contract research and the prothe facility and currently many laboratorics are leased to AEA duction of radioactive materials Technology for commercial UKAEA continues to operate



the UK and many other countries

The design of B220 proved to

at their nine dedicated centres.

Harwell, telephone H6054. Synexus Ltd, Harwell Clinical

Research Centre, Carol Lloyd, Centre Manager pate in the trials. Further inforwelcomes volunteers to partici-

551.11

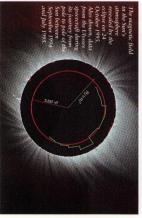
men and women. Altogether, Synexus currently has about

nation can be obtained from

2,500 patients on studies in and effective in hundreds of already been proven to be safe

global warming Sun's effect on

than one third of the more rapid change in recent years. more than doubled since the turn of the century. planetary space, together with historical records from stations in Australia and England, scientists have shown that the Sun's field has s due to changes in the Sun. However, the Sun can account for less ndicates that roughly half of global warming over the last 100 years he magnetic field in the Sun's atmosphere is increasing at a dramatic rate. Using recent satellite observations of inter-This discovery



ness of the Sun," explains RAL, "but only about a half of it up to about 1930 can be attribalmost all of the global warming rofessor Mike Lockwood of

"The results indicate that

sudden.3 may be rather later than previ-ously thought, but much more beginning of man-made effects 1970. This confirms that the for the period between 1930 and 1970, and less than a third since

RoSPA safety award

compares very favourably with the national average amongst research institutes. Pictured exemplary safety record record, for the second year running. In each of the last two none of which was serious. This years there have been only two reportable accidents at RAL, Appleton Laboratory a gold has awarded CLRC Rutherford ward for its excellent safety Prevention of Accidents he Royal Society for the



health and safety group, receiving the gold award from RoSPA's vice president. here is Fran Childs of RAL's ord Brougham and Vaux

Nursery fete raises £400

fete held at the nursery and was dip, cake stall and live musical including face painting, a bouncy for the fete with attractions nearly £400. Children and their judged a huge success with funds raised for Childline and the entertainment. It was the first castle, toy stall, tombola, lucky enjoyed a warm sunny afternoon families, nursery staff and friends Stars Nursery at RAL raised fete to celebrate the third niversary of the Little



blowing bubbles with Richard Matousek, aged two years and four year old Ella Hawkins.

Ministers question time

Kosovo Crisis Appeal.

Energy Regulator with Peter the consumer. The four other and Tony Boorman of the Joint Secrett (Friends of the Earth) how Combined Heat users and suppliers to discus Battle met over 80 key Michael Meacher and Jo organised by ETSU of AEAT ower (CHP) can benefit UK nellists included Charles ness, the er stion Time sty provided the

policy ment is undertaking many Day of the BBC as chairman At a time when the governreviews which will

Arrangements. of Electricity issues considered most important were the Climate Change Levy and the Review questions and views. The audience had plenty of affect large users of energy, the Ministers Trading

tally friendly technologies CHP and other environ would not be disadvantaged reassured the audience that

In setting the energy trends for the 21st century, Michael Meacher emphasisec efficient and cost effective



energy for future generations. provide sustainable, secure for the environment and good for UK business, good sure all developments

development. took back some very useful ment's intentions and ministers left confident of the governpoints to input into their policy The evening was judged a at success. The audience

What is CHP?

from the electricity generating process removes the need for boilers at a site and is therefore both energy eration of heat and electricity at or near the point of use CHP is the simultaneous gen The use of the waste hear



Harwell's 2020 vision

celebrates its fiftieth anniversary this year. ohn Wilkins, Harwell head of site, gave staff an exciting glimpse into the future of the site up to the year 2020. About 60 staff atched the vision unfold in the conference room of B220 - which

management and other projects the remainder. into an international business former nuclear laboratory site million a year to transform the currently spending around £20 with decommissioning, waste were around half of this amount John said that UKAEA was Infrastructure costs

By 2010 the front end of the site will have had all of its . By

ing and remediation work will be complete and wastes will have been packaged for long term disposal. Only a handful of 2020 the major decommissionwould have been de-licensed. was hoped that parts of the site nuclear liabilities removed and it

education award **UKAEA** wins

recognised as an 'Investor in Education' by the South Oxfordshire Education Busiess Partnership (SOEBP). On behalf of UKAEA, and Culham has been he UKAEA at Harwell

at Culham and Harwell. business-education links. companies regarded as making framed plaques will be displayed eremony arranged for local award from SOEBP in stephen White received the 01

work experience placements, Oxfordshire and highlights UKAEA's provision of quality oution to education in South articular and distinctive contri-The citation acknowledges a touch with each other".

Sponsored rugby testiva

also recognises sponsorship of St Birinus School, Didcot, as a Technology College and to staff as school governors. hosting management training

in a few years' time.

appeared on the phase I redevel

Harwell's inventory

the workplace at National Power, Didcot, on 17 May. and education keep in close ensure that the worlds of work also a spur to continuing to wide variety of support we provide to local schools. It is given this recognition for the said: "It is gratifying to Collecting the award, Stephen at a seminar on core skills hosting the Young Enterprise Finals and for its encouragement

The award was presented

look down Don't

Research Campaign. friends who made the experi thank JET and colleagues and and abseiled down the sheer face of the JR's maternity raised £630 for the Cancer ence a worthwhile one. Lucie building. -courage in both hands She would like to



sively restored he highlighted the work in cleaning up the ground environment was being progres as the BEPO chimney was diation of the RAF Catapult Pit and the Southern Storage Area. Harwell's skyline would change waters and the imminent reme dis Didcot. blister' was



ucie Cotmore took

designs on safety You could profit from

UKAEA is running a safety poster competition with generous cash prizes for your creative ideas. The first prize is £300, second £200, third £100 with ten further prizes of £20. No artistic skills are required, just sketch your design and send your entry to: Safety poster competition, B151, Harwell, to arrive before 31 August 1999.

but a great day was enjoyed by players and spectators alike ment on a fortunately sunny day. The matches were hard fought A Hinksey, UKAEA sponsored the Grove UI3 team event.

and junior rugby festival held at Oxford RFC in

MUKAEA

July 1999

to watch eclipse Don't be tempted

image through a pinhole made in a large sheet of the eclipse is indirectly, by standing with your back to about a metre from the card places in shadow, the Sun and projecting an blindness may result if organisation warns that card onto a second white pensive method of watching The safest and most inex proper steps are not taken. partial or even perm momentous event. when preparing for people to take great care August, NPRB is thi



or http://www.skypub.com the following webistes: how to view the eclipse see Sunglasses are not suitable For more information or viewed directly designed for the purpos

The Sun may only

Mobile phone chairman named

rell, minister of state for public health, and was recently nounced by Sir Walter Bodmer, chairman of NRPB. nan of the group has been approved by Tessa one use. The appointment of Sir William Stewart Expert Group is being set up to assess into the possible health risks from

Guidance booklet

evious guidelines were issued RPB has issued a booklet giving guidance or exposure to electrical and magnetic fields (EMFs) w advice updates these guidelines with new limits is guidelines were issued by NRPB in 1993 and sen widely used in the UK by government depart-local authorities, professional bodies and industry.

Calling all golfers

for £200 (best score), £100 (runner-up) and £50 (best cup competition where you can play alongside comedi-enne Sandi Toksvig. To be Stableford include vouchers per person. Generous prizes for the 18-hole four ball vidually or as a team at £25 (ABC). Players can enter indi Action against Breast Cancer will raise funds for Culham-Saturday 2 October, the day held at Hinksey Heights Golf Course near Oxford on Ginvited to join a charity olfers of all abilities are research charity,



team score). The closing date for entries is 17 September, so call now for your entry form on 01865 327775.

Cutting down on crime

setting up a Community Policing Initiative. For more UKAEA Constabulary can be details, he and his colleagues at stationed at Harwell, is cted on H3030 or H2501, Robert Hughes,

not, really does help. but in the mean crime, whether it's significant or vigilant at all times. Reporting Crime can be cut by being

leaving your vehicle on or off site, to inform the constabulary, so that it is not involved in silent Remember, if you are

be able to offer assistance. how long for. If there's an accident or emergency then we hours security checks. Inform the constabulary if you will be aware of your presence and Let us know where you are and how long for. If there's an are working late or at weekends

avoid any misunderstanding. risation (ie. property passes) to that you have the relevant authoproperty from site, please ensure Movement of property. you are removing

keep then tucked away (out of sight, out of mind). belongings and property are secure and, if left in your vehicle Ensure that all personal



property Sale of found

Friday 23 July. The sale takes Monday 19 July to 9am on station, B1, from 12noon on owner and have been declined by the finder, are to be sold by the silent bid method. Items for AEA Constabulary police sale will be on display at the the police for the statutory time which remain unclaimed by the Items of found property held by





The Blewbury branch of Riding for the Di-

At a very informal ceremony held at the Horse and Jodey

Anostelry, the Harwell charity ball committee presented a total
of £1,500 to five very deserving local charities: Riding for the
Disabled (Blewbury branch), Hearing Dogs for the Deaf, Ark branch) and Fairmile Hospital (near Wallingford). Animal Rescue (Caversham), Huntington's Disease (Oxford

the Harwell social club where 150 guests danced the night away. of the Harwell site. This year's event with a Forties theme was held at over £25,000 for local charities, all located within a fifteen mile radius The Harwell charity ball has been run for ten years and has raised

contact Janette Boram, Susan Bowman, Paula Manfredi, Grahame would like to display. Anyone who can suggest a suitable place can Murphy or Carol Smallbone The ball committee has collected a number of certificates that they

Landscaping – before and after



tion of various redundant facili The work follows the demoli ties and the leasing of buildings mental improvements caping and safety and environ over the past 18 months a major scheme of land ented by UKAEA has

disused areas and to prevent have been planted throughout skips to improve safety and reduce the visual impact of the storage compounds have been constructed to contain bins and 'fly-tipping'; twenty-two waste flower mix and trees and shrubs seeded with grass or wild waste; large areas have been

of Thomson Avenue site lagoons, B351 and the surwork has taken place include the Measchill Way 'reactor site', the rounding area and to the north



RAL, Marcus Jones, AEAT (Secretary, Harwell BUG) and a pass

was the first one. During the

"We were lucky that the

anxious minutes before the start

year. Rather than trying to get as many people to cycle into work as possible, and then be undermined by poor weather, the group decided to stage a lunchtime exhibition for all staff. arBUG (Harwell Bicycle Users Group) adopted a different pach during the national Cycle to Work event this

an hour before the start I had to take the back wheel off and

club mates came to the rescue, change the tube. Some of my old inner tube split and with just half the transition area, my back tyre

On display were maps of local national cycle network says HarBUG's Marcus Jones. built in the area by Sustrans, Network paths currently being about the National Cycle passing interest with many "The stall attracted a lot of Harwell proved to be popular and HarBUG members are nearby communities and to the be built to link Harwell to the longer term it is hoped that to help people cycle to work. In now developing detailed guides safe and convenient routes can Information on cycle routes to

routes, information on Sustrans (the cycle route charity), maps and photos of routes around how to sign up for the "Cycle Harwell, how to join HarBUG ommuting advice pack and cycle took cyclists on a leisurely ride via the Icknield Way, the Upton railway path, the new cycle route to Milton and the Fox at Steventon ncient cobbled byway to The

national network.

After work a 6-mile route

and receive the

Hundreds of metres of fencing have been installed to prevent unauthorised access to

the site. The areas where much of the



Controls. The work involved manager, Pete Burrows, and architect, Jane Denney carried out the planting scheme design quantity surveyor, Dennis under the supervision of project liaison with the occupants Lowes, both of Johnson of

personnel and co-ordination with other nearby projects. As the landscaping becomes

years to come. Harwell's attractive environestablished and as further work takes place, it is hoped that and attracting tenants for many ment will play a part in retaining

riathlete Graeme Cox, who worked for JCL at Harwell until recently, made take part in the first ever the trip back to Oxfordshire to Toughest triathlon yet



challenge. Having swum 800m. over 3 miles to run back. climbed the hill there was well could along this stretch. Having hill that seemed to go on forever cycled 35k (22 miles), and run 3 Finally the 10km run which again proved tough with some uphill sections. The king of the and had to sprint as fast as we miles we were faced with a steep hill competition was a real

most competitors talking about the there was a good atmosphere with

king of the hill' contest.

As I was setting up my bike in

were no serious injuries on the day. petitors walking on the run route (especially on the hill!) After the for some. I saw a number of comblisters. I am glad to report there Ambulance volunteers for severe race I was treated by the St John All in all it was the toughest The course proved too hard

The event was very well organised and the route was well marshalled. The 800m but I was panicking for the ten minutes it took to do the repair!

which meant I achieved my goal of finishing in the top ten. The train harder for next year!" in front of me. I clearly need to winner finished over 17 minutes earned me ninth place overall of 2 hours 7 mins 53 seconds race I have done to date. My time

leg. This proved to be a tough, hilly route through some lovely

north sea! Next, the 35km bike pool is nicer to swim in than the swim was a good start for me -

did a personal best. Wantage

me was reaching 44 mph on one of the downhill sections. countryside. The highlight Oxfordshire and Berkshire

Robin's nest discovered

unlikely places. The shed at the back of the sports pavilion proved a 'des res' for one robin which decided to build a nest behind an anorak belonging to Tony Bettendige, secretary of the As a species, robins are

The poorly fitting shed door was planed so that the nest would not be dislodged by slamming and Tony eggs was discovered, every effort was made to leave the little family in peace. Once the nest with five

nesting robin.

Plans are in motion to run an inter-departmental 6-a-side football league throughout auturn and winter months, starring in September. It will be run along the lines of the evening cricket league and rounders competition. All matches would be played on the main sportfield in handless would be played on the main sportfield in hawden and women's sections. Referees, whether you will not be seen to be received for the competition to get off the ground.

Any departments or referees wishing to take part in this proposed competition should contact either Tory destruigles rea, season, serveray on H3296, or Colin Phoody on H3343, before Friday 13 August.

managed without its anoral, when marking out the sports pictuses. The steel and the patilion have now been renovated by UkASA so its unlikely that the robots will be able to find its way into the lut next season.

Unofficial its contribologist, Paul Chandler, Identified the species of the white eggs with brown spots and all the fleelgings successfully flew the next by the end of May. Peter Poole who works at Cultam, is also a keen bird-warcther and confirms the legal position regarding disturbing meeting birds. "As a rough guide, the Wildlife and Couturryside Act. '991 prohibits anyone from disturbing or doing anything which might destroy the next. This might involve a hedgerow being out down during May when there is a strong likelihood of nesting birds. However, some birds are classified as pests, such as rools and wood pigeons, and can be controlled. Game birds are down during the official season" says Peter.

Going batty

thy creature was discovered harging from the stairs in the morning and was carefully contained in a box file and kept in a cool quiet corner until dusk. Brian Hodge was charged with releasing the bat. As this is not the first time a bat has been found in DS Peter believes there is a nearby roost and being so small they are able to squeeze through into the building. Peter also arranged for the safe release of a pipistrelle bat which inadvertently found its way into D5 at Culham. The

She and colleague, Maureen Burrows realised their

As hats are de rigueur at the event the ladies tapped their artistic talents and decorated their own hats. society at Ascot Races on Ladies Day this year.



Hats off to Ascot belles

Picking four winners at the premier event on the fat racing calendar was the climax to a finansitic day out for Sandra Case who works at the Harwell Social Club She and colleague, Pitaireen Burrows realisted their

Vacancies for associate members

Civil Service

There are currently a number of vacancies for local residents to join the Harwell Laboratories Recreational Association. As associate members they on talk part in all affiliated club and social activities. Clubs range from cricket to croquet, aerobics to anging, rugby to rounders, and many others. Rates for membership on a three, six and mine monthly basis are available. For more information contact Tory Beneroldge on 01/235 433296 from Monday to Friday, Barn-4.30pm.

Motoring Association

Application forms and other literature covering CSMA, Britannia Rescue, Frizzell motor insurance and many other benefits. Contact Tony Betteridge, H3296.

permits

of the Queen, the Queen Mother and Princess Anne made the day one to remember. Together with Sandra's legendary still at picking winners, "It's the first time I've ever had a bet but I suided the form from the reneard and placed my ber with the bookies on the Heath" Sandra recalls. "Amazingly I had four wins in a row. Plaureen wants to ulcdy she didn't pick any winners but we'd love to go sgain." The New Roads and Street UKAEA operates by analogy roads are privately owned Winzor H3292). Although all Hills) and administered by the Property Manager (Man) agement system approved by "Street Manager" (Brian Il excavations on UKAEA land are subject to a man-

UKAEA land please note the ing of excavation work, changes have been made to the permit programme to continually As a result of the ongoing improve the safety and monitor involved in excavation work on Any staff who are

Telephone prefixes are:
C Culham: H Harwell: J JET:
M MRC: Ni Nirex: N NRPB; and R
Rutherford Appleton Laboratory.

All ads, apart from holiday accommodation, will be run for one month. Please resubmit any ads to

copy deadline see back page

- accompanied by both detailed method statement and risk assessment. The Excavation Permit Request form must now be
- one person having a pre-scribed qualification as a The Conditions of Issue on the reverse of the Permit trained operative on the exca-Street Work is in progress. vation site at all times when ensure that there is at least require the Permit Holder to

Putting for pleasure

- Documentary evidence of the Supervisors and to be provided to the Street Operators qualifications are Manager prior to any work
- The Qualified Operator is
- on the permit. Works is also to be entered Supervisor of the Street

excavation work is required to sign on and off the permit, (this individual may The Project Manager of the

Those requesting Excavation

Excavation Permit. before applying tor an majority of cases, Estates Management must be obtained from UKAEÁ Property Development Control approval

If you have any queries

Excavation CHO FREE CLASSIFIEDS

changes as follows:-

football league

New 6-a-side

being carried out.

required to sign the permit.

Collection points in the social club bar and takeaway areas raised a total of £101.57 which will now be donated to the Kosovo appeal. Thanks go to everyone who contributed.

Kosovo collection

The name of the Qualified

3873 or 01235

also be the Permit Holder).

MOTHERCARE TANDEM BUGGY, with raincover. Good condition, £35. H3120 or LAMPS, ceiling, white circular, 12" diameter, £3. Wall (4) brass brackets with white shades, £10. 01235 Excellent condition. £55.

Permits please note that, in the

olease contact Brian Winzor on

Adverts on this page are free to all staff at Culham, Harwell, JET, MRC, NIREX, NRPB and RAL Valerie Judd, by email: words maximum) to the editor, Please submit your ad (30

be sent c/o Nick Hance, UKAEA, B521, Harwell, Didcot, Oxon OX11 0RA. For next begin 295 wave board, harness 01235

Chest of drawers (small) - 2 drawers on high legs (w 26" x d 15" x h 23¹/₂) £10. 01235 BEDSIDE CABINET - (width 14" x 231/2"), brown t door £10.

CARAVAN 1997 Compass Illusion 360/2, blown air heating, fis fridge, oven/hob, cassette toilet/shower,

CITRUS TREES, oranges, 7ft tall, in plastic terracotta pots, £20 each. 01235 cocktail cabinet. Used once. Porch awning and extras. £6200. (01235)

CURTAINS a: (2 pairs) flowered, autumnal shades, 4ft w x 54 in drop. £10 for both pairs. b: to fit 13ft x 7ft 4 natch, £30. 01235

GENT'S BICYCLE, 3-speed £45.
Black round table, 4 chairs £20.
Brown Formica drop leaf table £10.
Exercise bike £10. Writing desk £15.
0)735 GUINEA PIG BABIES, healthy

exposed beams at £625 pcm.
Tel: Martin & Co 01635

, RS705 (wk), or 01865 for

STEVENTON, single room to ren in modern shared house, available immediately. Professional female preferred, £225 pcm plus bills. Contact 01/235 or 01865

PHOTOGRAPHIC
EQUIPMENT, Ashi Pentax SP500
body, 35f2/105f2.8/506 macro
Takumar lenses, Sunpack, flashgun,
accessories, case, excellent condition,
offers invited 10/23. SUTTON COURTENAY, room in delightful riverside house with bathroom and use of kitchen. £285 pcm. Tel. 01235

SILVER CROSS PRAM (carryco and chassis) £35, Silver Cross

STEREO EQUIPMENT, stereo receivers, Armstrong 626 and Pions SX-434, good, offers invited, 01235 wooden cot including safety mattre £20. Tel 01865 or R5728. els) £25,

VINTA 365, rig and sales beginners £60. Bic Samba, Bic 5.7m rig beginner/intermediate £90. Custom 295 wave board, sale £60. Dakine

DEVON, beautiful

south Hams self-

te parking, beach 10 mins walk, ded garden. 0118

VAUXHALL CORSA, 1.2 Merit, N reg, blue/purple, 3 door, 24,000 miles, excellent condition. £4,100 owno.

FOR SALE

ABINGDON TOWN, room to imity to town centre. Profession le. Non smoker. £58 per week of bills) Please call Kimberley on

CHILTON, large room to let. (mid lovely, quiet house with Non smoker, £200 pcm (excluding tel). Tel:

DIDCOT, fur , furnished, one-bedroom, or flat. Situated in quiet available early Aug 99. £480 us bills. Tel Linda or Ciaran

GROVE, 3 bed unfurnished house to rent. Available from August 1999 for 1 year £600 pcm. Tel 01235

FORD FIESTA 1.1 (L Reg '94) - 5 door - 5 speed Taxed until Sept MOT'd till April 2000, 53,000 miles . Must sell quickly r. Contact: Teresa

SUTTON COURTENAY, I bed unfurnished flat to rent. £430 per mth plus bills. Vacant from I Aug 99. Tel 01235

MONTEGO, G reg. MOT and tax. Good runner. Some rust. £400 Phone 01235

ACCOMMODATION

DIDCOT, single room to rent with sitting room. Ready from 24 July. £50 per week inclusive except phone. Non-smoker. Ring 01235

from new. Fair condit Tel: C3663 or 01235 over condition £800.

FIAT UNO, G reg. 3 door, 1000cc, full service history, tax and 7 month MOT, 49,000 miles, radio/cassette, £850. Tel: Richard C4055 or

new. Cost £650 with lights and basket, sell £450. Tel: 01491

WEDDING DRESS by Pronu White satin with panel of beads:

TRICYCLE, Pashley. Adult's size Used only a few times - looks like

vjpr@globalnet.co.uk or by fax: 01865 331154. They can also

CORNWALL, Newquay.

ROVER 216 Van den Plas, 1988, one owner, 36,000 miles only. Very good condition, MoT/tax to April/May 2000. £1,750 ono. Tel. 01235

ACCOMMODATION

HOLIDAY

roof, radio cassette £3250. Tel: 01491 ROVER 214SLi, K reg, 5 door, 54k miles, MoT Dec, central locking, sunroof, radio cassette, good condition.

dress and full length veil. A beautiful dress. Cost £650, sell £250. Tel: 01491 LAKE DISTRICT, luxury apartment sleeping 4 in Lakeland mansion. English Tourist Board 5 Keys rating. nearby. Dogs w Tel 01548

CAR SHARE from South Marston (Wits)/Harwell. Contact Alex. 01235 (day).

WANTED

SCOTTISH BORDERS, fully equipped holiday cottage. Sleeps 4. £140 per week. Tel: 01235 anytime. Fax: 01235 anytime. ntain views, 01189

> WOODEN CROQUET SET. Tel 01865 or R5728. SAFETY STAIR GATE wanted that does not need screwing into the wall. Phone RAL 5605.

SOUTH WALES, Gower, holiday y beaches, birds, walks, castle nsular charm. £420 per week

bowling entertainment, NO PETS.
Phone 01235 2 and 3 bedroom caravans,

COMPUTER TRAINING by experienced tutors, all levels of

AROMATHERAPY treatments, Reflexology, Holistic Massage at The Minstrels, Rowstock, Mrs H. MISCELLANEOUS

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

FACIALS, pedicures, manicures, body treatments, etc. For an

MOTORS

AUSTIN METRO 1.0 CITY, 3 door, white, F-reg. 66,500 miles, MoT Nov 99, taxed Oct 99, one lady owner

TTEC, IHBC, BABTEC, MGCP on 01235 , or Tereza on H5362 for a price list. HOUSE CLEARANCE, quality second-hand furniture, china, brass, linen, pictures, bric a brac wanted, courteous service. 01235 SOUND CREW mobile disco.
Quality sound, lights, laser and pyros
All ages/occasions professionally
undertaken. Competitive rates.

TENNIS COACHING, individual or group lessons available during the summer for beginners and improvers with Jenny 17A Development Coach. 01235

WANTED - PR/marketing volunteer

Wantage, Grove & District Community Information Centre has 20 trained volunteers to advise on the vital problems of life including employment rad consumer rights, DSS benefits, legal issues, debt management and taxation. It also coordinates a team of 15 volunteer drivers who take the elderly and infirm to hospital and social venues. The centre is looking for someone with marketing and public relations experience to help raise its profile. If you could spare a few hours a week and work miracles with a small budget, please contact Graham Curtis on 01235

5