Racing legends from Harwell stables



Chilton - hence its name. first bungalow to be erected in bordering the proposed Chilton along the line of Frome Road 36 horses. These were located before the site became into being Built around 1905 it was the bungalow' stables which housed istory of racehorse training ECHO looks back at the particular, development.

the Golden Mile road at the place now occupied by MRC's exercise track alongside what apparent are the tennis court, adjacent stables and oval half a mile south of the Main Gate on the former A34. Also prior to them acquiring the land as a WWII bomber station in An aerial photograph, probably taken by the RAF just style wooden bungalow about 1936, clearly shows a colonial green road linked the A34 with Thorningdown Road. known

the glider-borne paratroops for D-Day, effectively erased all signs of the bungalow and its

until the 1990s. Sheep were used to keep grass in check on the nearby Ridgeway gallops and Steventon and Upton remained a feature of village life Augustus, the Duke of Cumberland, at Kate's Gore horses by rail to race meetings. stations were used to transport (Gore Hill) in the 1750s and was started Horse training at Chilton by William

golden years of the stables came under Leonard Cundell who Bell's horse, Turbine, won the Ascot Stakes in 1908 but the prize money in 1930 and 1931 Star both winning considerable trained Oak Ridge and Noble moved there in 1923. during its 35-year history. Jim trainers lived at the bungalow A number of different

Stakes and the Cesarewitch at Ascot Stakes, the Goodwood In 1931 Noble Star won the

Harwell runway, used to launch

talking of their winnings from prize money was a considerable fortune. The villagers were still the Cesarewitch bookies, several labourer in the 1930s was that the weekly wages for a farm around £1.50 this amount

wentieth century.

meeting with the words "Mr Cundell there's going to be a war" and six months later the made an appointment to visit the stables. One of them opened the bomber station. RAF took over his land for a In 1935 two RAF officers

Dumbleton, Chilton for allowing us to use material from his research into the history of racing at Chilton). (ECHO is indebted to Frank

years after AERE Harwell came



1903 watercolour by John Beer depicting two fav crites for the Jockey Club

1729			Blewbury
1723			East Hagbourne
1721			Didcot Sandringham Road
1717			Didcot Broadway
1714		rkway)	Didcot Parkway departs (connecting service - change at Didcot Parkway)
1701			Didcot Parkway arrives
1641			HIBC departs
	0836	0740	HIBC arrives
	0810	0722	Didcot Parkway station
	0806	0718	Didcot Broadway
	0802	0714	Didcot, Sandringham Road
	0759	0711	East Hagbourne, memorial
	0753	0705	Blewbury (Load of Mischief)
(2)	3	3	

THE COPY DEADLINE FOR THE NEXT ISSUE IS: Monday 22 May for publication on Wednesday 7 June 2000.

alow Racing Stables in 1931.

UKAEA, 521 Harwell, Didcot, Oxon OX11 0RA. Editor: Valerie Judd. Tel. (01865) 331153 Fax. (01865) 331154. E-mail: vjpr@globalnet.co.uk

Culham/Harwell PR manager, Nick Hance, 521 Harwell, Tel, (01235) 436509 Fax. (01235) 436899 Dosigned and Iroduced by: Claire Moores Dosign & Consultar Tel, (01235) 210269.



THE NEWSLETTER OF THE CULHAM SCIENCE CENTRE & HARWELL BUSINESS CENTRE

MAY 2000

Harwell welcomes cancer charity

at the Harwell International charity moves to new premises have a new impetus as the siness Centre Cancer (ABC) will Action against Breast

sponsored ABC, has agreed a new lease with them for a unit ABC to pare down its adminishome. UKAEA, which has three years and, when the lease Director, Pat Leathern and her team had been based at the Johnson Controls Ltd (JCL). refurbished free of charge by The new premises have been tration costs to a minimum in B363 Curie Avenue, allowing Culham Science Centre for

our funds will go directly to pay for research," says Pat Leathem tion - an extremely low percent "Our most recent audit shows that only 8.4% of all provided by this move, more of age and, with the opportunities income is spent on administra-

of breast cancer are diagnosed Research centres around three cancer that are alterable survival of women with breast pinpoint factors that affect the cause of death. secondary spread, the major concentrates on research into other charities in the field as it each year. ABC is distinct from In the UK 35,000 new cases Its aim is to develop a vaccine. Middlesex Hospital, part of University College London,

Anthony Leathern MD. There is

ABC's research is headed by Dr

its laboratories

grateful for any voluntary time

a special interest in breast cancer teers work throughout the UK for this vital research work to but requires about £700,000 Since its launch in 1993 ABC has raised over £2million Churchill Hospital, where Pat also a research unit at Oxford's Leathem worked in nursing, with Some 4,000 volun

to support ABC.

"My message to companies and staff at Harwell and Culham



spread and progression; diet and lifestyle factors which slow cells. Ultimately ABC hopes to destroy any remaining cancer and how natural immunity can down the growth of cancer cells sugars) on cancer cells affect oligosaccharides (chemical key areas - examining how kind, perhaps office equipment that is being replaced. If staff are for their fundraising at work, schools or local clubs," says Pat. ABC as the nominated charity encourage people to consider has helped us to date and to about to retire we would be most "We would also welcome gifts in would be to thank everyone who

not dealing with genetics - we are committed to finding ways to stop secondary spread which is research team and by keeping because it works alongside they could spare, especially they have scientific skills. the main cause of around 14,000 Unlike many other studies we're research is as high as possible costs low our deaths each year in the UK." "Our charity is unique donation the

The new contact



Bird spotting





Racing legends 1



Office in Berlin. year aspirin celebrated its centenary, notching up one hundred succeeded in producing the aspirin active ingredient, ASA, in a ears since the trademark was registered at the Imperial Patent chemically pure and stable form for the first time in 1897. Last prevention of heart attacks and strokes and is the most widely sold pain reliever in the world. Dr Felix Hoffman spirin is synonymous with rapid pain relief, life-saving

headaches and would be interparacetamol and placebo, in the treatment of tension headache. If you suffer with study comparing aspirin, 'over the counter' (OTC) type interested to take part in an find volunteers who would be AEAT's clinical trials section Partnership, has been invited to Synexus, formed from Edgebright

> harwell@synexus.co.uk on 01235 436054 or email ested, you can contact Synexus

sores. Another study requires people who would like to give suffers with hayfever or cold ested to hear from anyone who researching other OTC type therapies and would be interup smoking. Contact Synexus The company is also

Some highlights from aspirin's centenary

1925 Aspirin saves lives during a major flu epidemic in Europe.
1930 Aspirin appears in the Guinness Book of Records as the best selling plankiller.
1969 Aspirin accompanies Neil Armstrong and fellow astronau

1977 Aspirin accompanies Neil Armstrong and fellow astronauts to the moon on board Apollo II.

An American study proves that ASA prevents stroke. Findings reported in New England Journal of Medicine that ASA reduces by 51% the risk of heart attack in patients with unstable

1992 angina pectoris.

The aspirin chewable tablet is launched. Aspirin accomp Durch expedition to Mount Everest.

A study published in the NEJM shows that people who frequently take paracetamol or non-steriodal anti-inflam aspirin chewable tablet is launched. Aspirin accompanies a

drugs have an incr damage while peo FDA proposes AS acute heart attack aracetamol or non-steriodal anti-inflammatory reased risk of developing irreversible renal ple who frequently take ASA do not.

1996 997

ASA as the drug of choice in suspected cases of

A new variety of rose is named 'Aspirin'.

Nearly 50,000 tonnes of ASA are produced every year across the globe – pressed into 500mg tablets this would produce 100 billion tablets, more than enough to stretch from earth to the moon and back!

Maintenance systems streamlined

AUKAEA at Harwell. The exercise will enable UKAEA to standardise ection test schedules). artant project is underway to streamline the as well as demonstrating adherence to EMITS (equipm

parts of Dounreay for over eight years. At Harwell the Ltd - and has been used in The new system is called

made to a number of users and by the end of the year. Presentations have already been ment and projects departments should be running on Mainsaver managers affected by the transi-User involvement begins in

May when the system will be trialed during a 'conference

room' pilot exercise.

If you have queries or would like more information contact Tony Cook on

SAFETY Update

reportable incident at Harwell and none at Culham since the last issue of ECHO. There has been one

on a winch cable whilst participating in a facility exercise. He was off work for more than three days, which made the event reportable under the and Dangerous Reporting of Injuries Diseases njured his thumb

> in this way allows both large up capital in expensive manudrug discovery and avoid tying make biopharmaceuticals for businesses to concentrate pharmaceutical companies companies that are evaluating and emerging biotechnology opened a new manufacturing facility to medicines. Outsourcing EA Technology has on

turing for new biopharmaceuti-cal drugs being developed for ogy organisations. It will deal with development and manufac-Cowley on the Watlington batch in one cycle. capacity to produce a 450-litre and cystic fibrosis, and has the many diseases such as cancer Road, close to other biotechnol-The facility is located at

facturing facilities



new safety shop Barnett opens



chairman VWHDC declares the new shop op are (from left) Geoff Hucklebridge, Phil Barnett

aving worked with many of the tenants at Harwell and Culham for the past five years, Barnett Safety Equipment Services is expanding. The business has opened a shop at 363 and respiratory equipment to include personal protective Curie Avenue, Harwell, and will be extending its range of safety ard hats to high visibility jackets!

from 8am or earlier to around 4pm. Although they will still visit customers' premises for repairs and installations the anything but a closed shop, opening Monday to Friday colleague, Geoff Hucklebridge, are both ex-Harwell staff and Their new enterprise will be former trades union secretaries. Phil Barnett and his bollards, safety signs, even first aid kits. They will also be able to advise you about the right tive products such as goggles, ear muffs, specialist gloves, clothing for all conditions, harnesses and tion. For more details call Phil or product for a particular applica footwear, including sportswear. Other functional goods include equipment for sale will be protec-Geoff on 01235 821593 or 0421

> AEA Technology already provides a range of pharmaceu-tical development services to the global marketplace and A facility located in Oxford - an area already well known in the advantage. industry is a distinct

recently had a presence at the international 'Bio 2000' exhibistudy stressed the importance of contract manufacture in the UK. up manufacturing to include pre-clinical, phase I and II at 20% a year. A recent DTI around £650m and is growing outsourcing in this field is worth ties will allow AEAT to scale The worldwide market for produce effective medicines." make this transition and and facilities to help them we can provide the right skills Through our Oxford business pharmaceutical industry a major hurdle facing the biointo real industrial processes is science from the laboratory said, "Moving exciting bio AEA's biosciences business. Dr Simon Roe, manager of

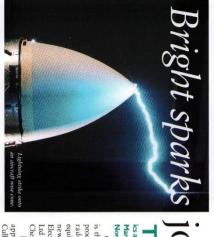
clinical trials.

tion in Boston. The new facili-

North Gate open



Head of site at Harwell, UKAEA's John Wilkins, with PC Jimmy Green of UKAEA Constabulary, at the newly opened



warm send off Gifts give

department manager Dounreay as design services take up a new position in end-off by staff as he leaves to Fom Todd was given a warm fter a career at Culham and JET spanning 25 years,

nostics including a langmuir 1975 to work on the superconhelped initiate the START California, and enjoyed a long Doublet III in San Diego, he worked on CLEO, took an probe system. During his time ducting levitron, firstly on diagattachment to work on Tom joined Culham in

gy transfer programme. Many of his leaving gifts will project, contributed to the development of MAST and has latterly been involved in the 'Fusion and Industry' technolo-

RDA visit

'Compass mug', artfully converted into a desk lamp and spherical paperweight which resembles the START plasma! maple, a hose reel, a selfincluding a Magellan global decorated to look like MAST powered Seiko watch and a remind him of his Culham years with a novel version of the Andy Cullen presented Tom artfully

Working for England's World Class Region



bis wife Lortaine are pictured with Derek Robinson,) Fusion who recounted Tom's long and valuable invo director of UKAEA

join Chelton

ics and lighting division. Chelton, part of Cobham plc, is centred at North America and South Africa. Marlow but has 30 companies located in the UK, Western Europe he Chelton Group has recently gained a presence at Culham Science Centre with its acquisition of AEAT's electromagnet-

equipment. The addition of a new capability - Culham Chelton's technology base. Ltd - will significantly enhance radomes is the design, development and Electromagnetics and Lighting production of aircraft antennas, Chelton's principal business and avionic

appointed MD of the new Culham organisation. He said, highly regarded by users. Culham has first class CAE over a million lines of electropast decade and their codes are magnetics design software in the "The division has developed Brian Phillips has been

devices and ion beams." software for stealthy surfaces antennas, vacuum electronic

operate from its present site the existing workforce. E making the new Culham company invested to replace obsolete lightning test generator soundproofing around the computers and install improved added, "We are committed to The business will continue to We have already Brian

info@culham.com C4243, visit the website at www.culham.com or email minimise noise for our neighbours For more information call

P

Photographic archive

UKAEA Image Resources and now located in B465 All UKAEA photographic, can be contacted on H4499 Harwell. Eric Jenkins has taken over the management

Ximed appointments

computing, archaeology or perhaps the films of Stanley Kubrick?

etary award

was formerly a director Talkland, and has a Mr Whittle, an accountant man having worked in inter executive Widger, a US citizen, FCA join the board as Widger and John Whittle vorked for Vodafone. poard directors. William Ximed plc has announced the cal coatings industry markets directors.

Radon risks booklet

NRPB and informa More detailed publications on £2 per copy will be made information @nrpb.org.uk obtained from NRPB informa knowledge about radon, Health. The publication aims exposure has been published radon are available from For multiple copies, a charge tax: 01235 822746, em tion office, tel: 01235 822742, sectors. Single copies can be Medicine and the Chartered ointly by the NRPB and the nstitute of Environmental aculty of Public Health realth risks of vailable on the website new booklet about the

the subject of a visit to

ness on 21 March 2000 by

International nent opportu-

looking to relocate. approaches from companies Britain Bureau and direct referred from the Invest

familiarise themselves with the purpose of the day was to

Development

business clusters, available property and sites, academic These include specialist can offer the inward investor. attractions that Oxfordshire

represents one of the most sigand research links. Harwell nities in Oxfordshire were

New Culham caterers

England TEC co-ordinated the

site. For a copy or for more Centre is Sovereign Catering. Fry on C3260. Details of their services have The new catering company been sent to companies serving Culham Science

day. Their visit to Harwell was hosted by Steve Moss, head of the UKAEA's central

development officers for the district council economic representatives and local event. They joined ten SEEDA nificant opportunities. Staff from the Heart of

property unit

and orienteering Thoughts on science

the sport in coming years. In addition to a tie and a monetary aware he wins a 'continued learning' weekend course of his choice science writing competition organised by Oxford University and the Oxford Times. He wrote about a subject close to his heart orienteering - and whether satellite navigation would play a role in r Roger Thetford, a scientific software specialist at AEA Technology, Harwell, recently won second prize in an annua

for committing his ideas to paper, Roger said, "I've always striven orienteering in the region, led me opportunity to raise the profile of drive to explain science, and the felt deeply satisfied. That same sky and told me why it was red, understand. And when, several months later, she looked at the the sky was red at sunset stand it too. So when my six-year-old daughter asked me why to understand the world arounce explained, in terms that she could me, and to help others to under-Speaking about his reasons

stood - and it's my sport!" good concept to get across in a satellite navigation because it's a short article and orienteering to enter the competition. I chose because it's widely misunder-

explored one aspect of satellite His 800-word essay

> System), which can usually determine location to 50 metres display the co-ordinates supplied by GPS receivers. Besides which or less. As a tool to help orien navigation (Global Positionin navigation aids allowed! compasses are the only artificia tree cover and hilly terrain selves in a forest it would teering competitors locate them Also, orienteering maps do not however, be less effective due to However, Roger discussed

experimenting with this concept. Combining tracking with small head-mounted video cameras, world championships have beer the Finnish organisers of the 2001 on a giant map, with obvious benefits for spectators. Indeed, their exact position to be viewed how GPS could be used by organisers to track orienteers and allov cross-country team. year made the Oxfordshire Road Runners and earlier this

like those embedded in cricker Determination and concentration at the British orienteering championships, but no GPS: Roger is using map and stumps, would give spectators a

in the depths of the forest. good idea of what was happening Roger is chairman of Thames Valley Orienteering Club and He also runs for Headington has run for England in the ori-

entist invests in practice

dentistry more affordable Mike Bellew, who joined the following a major refurbish-Harwell Dental Practice care plan to make private new private patients. The practice can offer its own dental his three staff are now accepting been invested to refit the practice seven years ago, and nterior and install new state-of-Visiting the dentist will be as pleasant as possible at Around £60,000 has Dentist

delivery of the equipment one of the first practices to take modern, welcoming feel. It is lightwood panelling for a architect-designed supplied by specialist Italian The interior has been

manufacturer, Castellini. site since RAF days and today we "There has been a dentist on



Dentist Mike Bellew with dental nurse, Stella Whichello

find that many patients prefer being able to pop along to a dentist for half an hour during the working week rather than take half a day's leave," says Mike

be found opposite the shops in Curic Avenue and is open Mon-Fri. Tel. 01235 831889 or H3099 to make an appointment. Harwell Dental Practice can

Exploring science and thirteen-year-old The students used a sensitive

Oxfordshire had a great day National Science Week. Appleton Laboratory during exploring space' at Rutherford Many of the activities schools in

ment which will need to land is involved. For example, pupils built a 'parachute' to land a softly on one of Saturn's moons RAL has helped design an instrumirrored projects in which RAL chocolate egg from a height.

infrared camera to investigate the difference between infrared gate distant stars in the infrared wavelength. The pupils had help ing lesson from John Napper involved in projects to investitarium to the laboratory. who brought his portable planeis! The pupils also had a stargazjust how cold a dog's nose really standard poodle, who showed from Inky, the press officer's and visible light. RAL has been with the infrared camera project



scientist retires Eminent computer

for the organisation's offices for the Worldwide Web at Rutherford Appleton Laboratory. He will however nonours, has retired from work OBE in the new years' sortium, with respo who was recently awarded ofessor Bob Hopgood, 64, working part time

throughout the world.

echoes an amazing journey through the history of computers, from the 1960s and the huge of his generation'. Bob's career of the greatest computer scientists friends and colleagues, Prof Keith Jeffery, director of information technology, heralded Bob as 'one front of a large audience Making his presentation in



Among his leaving gifts, Bob was presented with a signed photograph of Count Basie - he is a great jazz

Atlas computer, running programs from paper tape and cards, through to the small, powerful computers of today.



(and ber ! from St Mary's School is

the UK on subjects as diverse as 'The Brain' and 'The Bionic Bat'. by teams from local branches of the WI to build a buggy, and a formers, a chance for local scouts to solve a murder using over two hundred Week activities included a masseries of evening lectures terclass in particle physics forensic science, a competition minent speakers from around Other National Science SIXthfor



will help then

manual on-line Students get

our students on the advanced GNVQ information technology course at Abingdon College have recently finished an IT project for the health physics division of **AEAT Nuclear Engineering.**

an on-line version for use via any standard internet browser. students have converted it into has been through many versions and revisions in paper technical manual. The manual form but now the college including the provision of Dosimetry Users Group), CADUG (Criticality Accident ndustry under the name of uns a service for the nuclear Health physics division

Baker and Will Atkinson of Colbeck, Toby Gunston The four students John

and had to solve several technical issues to include the of the manual in a way that complex tables and graphics gained experience working to health physics. The students makes the information deadlines for a real customer accessible than in its paper The on-line manual will

token of their appreciation,
AEAT health physics will be
presenting some IT equipment to the college. member organisations. As a be demonstrated to CADUG and distributed to the various its annual meeting in June

Out & About

Hagbourne craft fair

is 75p (children free). r details call 01235 850668 Over 70 stalls raft fair at Hagbourne Sc illage hall, East Hagbour For

Habeas Corpus

The Studio Theatre Club pre

which is also very good for sloe gin! emphasised the importance of this native shrub

An environmental survey carried out

The STC has be for about 25 years time a wide varied drama. New members PO Box 147, Oxford, OX2 8YT

Harwell D-Day service

stott and lasts approximately minutes. Wreaths will be laid .30pm which is held at the load memorial stone. The solution to the conducted by Rev. nual Harwell D-Day memor

MRC summer seminars

ee the full program

Oxford Physics Colloquia

ology of Science: 'ar and Peace' June, Prof B Richter,

The Future

thrush and a collared dove. sting birds at Harwell in the past have included this song

Declining species thrive at Harwell



predator is another bird, the magpie, which has a liking for their eggs! wides the ideal habitat and, with minimal use of agrochemicals, these species are thriving. The main PLUTO reactors at Harwell. Although these birds are in steep decline on our farmland, Harwel t may seem an unlikely scene, but the sight of breeding lapwing and grey partridge, the thrilling song of the skylark and the trill of linnets can all be experienced against the backdrop of the DIDO and



off to two potential mates. A drive down Becquerel Avenue produced singing greenfinches, a where there was also a cock pheasant showing and blackbird by the lagoon on the site of Hangar morning birdsong included wren, great tit, robin Even within the more built up areas there is much of ornithological interest. On a chilly April

issues of ECHO.

winters. Her findings will be covered in local bird numbers during three consecutive UKAEA's permission, Mrs Rowe will be logging pattern of birdlife around the site, a local resident

To gain a greater insight into the changing

off Downs Road.

barn owl has in the past made its home in the barn owl. Kestrel are known to have used B33 and a Quail have been recorded in the past, though not lowhammer making use of bordering hedgerows site borders arable land, and also dunnock and yel-

recently and another transient visitor was an eagle

And all the time there was the pipe in a brick wall opposite B401. starting to build its foraging rooks from the colony of 50 nests nearby. A blue tit was cavity above an overflow pair of goldfinches, pied wagtail and









Marathon mountain climb

ext month UKAEA's Sandra Owsnett will be climbing the three highest peaks in Wales, England and Scotland, but she won't have much time to take in the spectacular views must be scaled within 36 hours!

between the three mountains, all feet and travelling 435 miles walking 23 miles, ascending 9910 Scafell Pike (3206ft) and Ben Nevis (4408 ft). Sandra will be question are Snowdon (3560ft). (NfA). The three peaks in 23-24 June to raise money for the Challenge' over the weekend of Harwell in the projects depart-ment, southern division, will be attempting the 'Three Peaks eurofibromatosis Association Sandra, who works at

in the UK." that the challenge will raise tance with equipment or spon-sorship," says Sandra. "I hope "It will be a major personal achievement and I'd welcome awareness of the illness which affects more than 23,000 people money for the NfA but also raise any encouragement and

sandra.owsnett@ukaea.org.uk on H6818, or by email at please contact Sandra in B152 To pledge your support

within the 36-hour time limit



What is neurofibromatosis?



by Christine Williamson, imprinting group

MRC Harwell lecture

MRC mammalian genetics unit, Harwell

Professor Shirley Tilghman

linked gene on the paternal chro some but also silences a closely

a different

She described

cing to the fore ntal in the pioneering effort to bring the importance of genome

Each year more than 400 children are born with Neurofibromatosis and cataracts. Nf2 can also cause weakness and paralysis. to hearing loss in late teens or early twenties - brain and spinal tumour. rarer but it causes tumours on both acoustic nerves - which usually leads an increased risk of epilepsy. Neurofibromatosis type 2 (Nf2) is spine, malformation of the long bones, tumours on the nerves of sight, difficulties, behavioural problems, high blood pressure, curvature of the or all of their children, 50% of all cases occur in fami with the condition have a 50:50 chance of passing on the disorder to any internal, spinal and brain tumours taneous mutation of the affected gene. Complications include learning Neurofibromatosis type I (NfI) is a genetic disorder. While those - usually benign; speech through a spon-Both form



Professor Tilghman is a fellow of the Royal Society and a member of the US Institute of Medicine and the US National Academy of Sciences. As founding director of the Institute for Integrative Genomics at Princeton University she!

500 miles to the starting line

by Peter A Wood, AEA Technology Environment

start, and a further 26.2 miles to the finishing line. up, psyched up and ready to go; with several hundred paces to the gone well, except that, three weeks ago disaster struck, and I had injured a tendon in my right ankle. Nevertheless, here I was, fuelled British Brain and Spine Foundation. Generally the training had ime since October last year when I agreed to run in support of the • 500 miles of training were up, and now it was only 500 yards to the starting line. I was in a group of about 20,000 waiting to start the London Marathon. It seemed a long

the staring pistol, and nothing happened; it took a full 15 starting line. Finally we actually minutes before we made it to the double decker red London Bus and a few normal people. Then noceros, a four-man cake, a nature of curious things; a rhi-I was surrounded by all

In between jostling with jugglers, trotting with turkeys and running with rhinos I

and then 24 miles when they would regroup to cheer us on again; very welcome and very the Foundation supporters were much needed. see them again until 15 miles was outside a pub?) I was not to (was it only coincidental that it all ready to cheer their team on managed it to four miles where

taking me. I trotted past a big I ran past the Cutty Sark just as the four-man cake was over-



talked to Elvis going up Birdcage Walk - delirium setting in? And then the finishing line was in the photo, the foil blanket and them all. Now it was the finish them cheering for me - thanks to terrific, each and every one of sight. The cheering crowds were around Cleopatra's Needle, and managed to overtake a tree jogged alongside Minnie Mouse under Tower Bridge. I even black cat on Tower Bridge, and

PAUL

feet a rest. the farewells. Time to give the about I had finished my first, and £2000 for

contact me on Harwell 3122. provide a donation then please should anybody else wish to who have supported me and training miles. Thanks to all worth every one of those 500 Foundation. A great day out and what I set out to do and raised my last, marathon. I had done the

lennie wins special marathon place or some people, one marathon is not enough! Jennie Cullen, who works for AEAT's batteries group at Culham,



and, in the hope that she may secure a place, had actually

Jennie applied for a place, writing about how she had met encouragement to Jennie during given invaluable words of could not get an entry. As if by chance she picked up a copy of the Daily Mirror in the tearoom which was offering a few lucky enough to gain her entry a previous marathon. She was Helen Rollason when she had Rollason Appeal. limited places in the London Marathon running for the Heler

part of her training programme.

If anyone, would like to add at lunchtime in all weathers as around the Culham perimeter Indeed she has been running been training in preparation

their support to Jennie's fundraising please call her



Competing in the Reading half marathon.

gene on the maternal chromo-This region is particularly fas-cinating as it not only silences a is responsible for gene silencing bi-functional control region that

temporarily fail!

how to utilise all available props when slide projection facilities

highly skilful demonstration of backgrounds and also gave a tained scientists from a range of

an exact copy active? To answer this she described her elegant

mammalian species. tribute to the formation of new

Professor Tilghman enter

studies on the identification of a

sequence in a cell be inactive and question was how can one DNA human disease. this has great relevance in non whereby there is unequal expression of the maternal and nating and unusual phenomegenomic imprinting as a fasciin Mammals: Mechanism and spoke on 'Genomic Imprinting

paternal copies of a gene, and

Her first

governing genomic imprinting are rapidly evolving and that dis-

ruptions in the process may con-

throw away the advantages of having both copies active? She

Why has the organism chosen to was why has imprinting evolved? mechanism. Her second question

suggested that the signals



Unquashable squash at Harwell

record of wins - the new mineral water dispenser at the club must have an added ingredient that works both home and away! The teams regularly compete all over the county with five players chosen from the division 3 and the men's first team came top of division 4. Both teams came through with a 100% Harwell Squash Club soared to success through the winter season with both the ladies' and the men's teams winning their respective divisions in the OSRA winter leagues. The women's team won ladies Harwell Squash Club remains as popular as ever

intervals from 12 noon until 2 pm or during the evenings. Why not come along and play an enjoyable game that keeps you fit and healthy. There's no better way to get rid of those work frustrations than bashing a rubber ball against a wall!

Membership details are available from the memberwith over 70 members of varying standards regularly playing in the lunchtime box leagues. The cheapest and most convenient club in the county is open to squash courts that can be booked at half-hourly membership from the 1st June. There are four

ship secretary Dik Third sinclair.third@ukaea.org.uk
Existing members please note that the AGM is
to be held in the club lounge on 24th May at
12.15pm. Notice of the agenda can be found on club
noticeboards. It's your chance to come along and

Lunchtime yoga

There are three lunchtime yoga sessions each week at Harwell. These are staged on Mondays and Wednesdays in the squash club bunge, with classes held between 12 noon and Ipm. To try a class please phone Mary English on NRPB 2809 or Nicole Malins on Harwell 3446. On Fridays lessons are held between 12.15 and 1.15pm in the Rutherford Recreational Society. To try this class please phone Jerry Mayers on RAL 5882, or e-mail him on JMayers@rlac.uk





Harwell men's 1st team OSRA division 4 winners (from left): Joe Davies, Gary Preston, Brian Phillips, John Lovelock, Mike Jeffries, Jim Henshaw (captain) and

Harwell women's team OSRA division 3 winners, back row (from left): Maria Woodbridge, Mary Ockenden, Brenda Wynn, Fiona Ravenscroft, front row: Sue Hodgson and Jane Bradley (captain).

swing at softball Take a

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

ujp@globalnet.co.uk or by fac: 01865 331154.

They can also be sent of Nick Hance, LYAEA,

They can also be sent of Nick Hance, LYAEA,

For next copy deadline see hade page.

discover softball! every evening it is time to home run is what you do f you think a legal pitch is where you put a tent and a

Devils and the Harriers. All of them play in the Oxfordshire are the bases for three local rounders. Harwell and Culham sport - a cross between American baseball and Softball League. Softball is a fun, tactical

played in mixed teams of five females and five males, with team wear for softball. gloves that all of the fielding larger sized ball and the catching bowling. The difference is the "slow-pitch" Like rounders, softball is underarm

encouragement is given. are welcome as full training and like to try softball. All abilities hear from anyone who would based teams would be pleased to The Harwell and Culham

Culham, ext 3874 Chris Dore, The Devils, Greensoxs, Harwell ext 3198 David Batt-Rawden, JET, ext 5057 Andy Meigs, The Harriers, For further information contact:



Moira Mathers who plays for Greensoxs, competing in a national

exchange FOR SALE

ELECTROLOUX TRUE HEPA
bagiess projit cleaner | 400 W. Bought
last November (cost £160), used only
wrice, excellent condition. Medical
reason for sale &65 ono. Tel. 01235
or NRPB ext. 2738. BOYS BIKE, Raleigh Agent-X. Suit ages 6-9. Excellent condition, £35 ono. Tel 01235

FAX/ANSWERING MACHINE OKIFAX 460, perfect order and asappearance. Original cost£270, lute bargain at £55. Tel R5372 or

FIBRE GLASS WATERFALL and upper pond. £10 cheque to Soboll House Hospice. Similine storage heater 32"x 32"x 5", 2.55kw. 17.5kwh store, white. Will deliver locally. £20 n.013ts. HITACHI 133MMX Slimline Colour Notebook PC. 850MB HDD, 1.44MB floppy, modem, built in sound-spkrs. cally £20, 01235

MACLAREN SUPER DREAMER extras. Colour aqui tion. First to see will

PINE BUNK BEDS, exc MAMAS AND PAPAS "Jessica style large cot in natural wood. Cl. lated mattress. Cost £200 ne ccept £65. Ext H 3967 or tel: 5 after 14.00.

elephone 01235 ffice hours or 01865

VIOLINS, 1/4 (Skylark) and 1/2 (Stentor Student) sizes, ideal for learners. £60 each, complete with case. or RAL6146. PLAYPEN, Mothercare wooden playpen. Square with removable mat £15. Tel 01235 for more

WEDDING DRESS, by Pronuptia.
Size 12-14. White stain with sequin and bead panel. Including head-dress and full length well. Worm only once.
Cost £600 - a bargain at £250.
Tel 01491

MOTORS

FORD ESCORT XR3, 1982. Good condition. Genuine \$5000 mile and only one owner from new. Good set of Prells and heavy duty battery. £750. 01235 (Warnage).

FORD SIERRA LX 1800, J reg. dark red. 52,000 miles, VGC, MOT I year,

4 | 500. owner retiring. Tel: R5602

RENAULT SCENIC: 197d. April
1999, Treg, Blue metall. 91000 riseration. 1900 rivers from the form of the first surroots, airbags. ABS.
CD. player. 2 years maunifacture
warreny. FEH. Salling droup at
£11 000 owno. Call Ciris
on R6365. (01235)

BRACKLEY, Northants, Harwell approx I hour, Modern 2 bedroom d kitchen, gas CH, garden & ng. No pets. £500 pcm.

ms (Ien-suite), arden. Off road

01235

phone, adjoining room with light cooking own bathroom downstains. Available to a quiet NIS younger lady (awtoward stairs) preferably Monday-Friday, Only £55 pw (£240pcm) inclusive + phone. Details, tel: **DRAYTON**, small loft flatlet in detached bungalow. TV/video, private

ACCOMMODATION

ABINGDON, Double roon n-smoker. £260pcm +bills, Pla Stuart on 01235

ABINGDON, large room to let in family home. On Harwell bus route. Basin and separate collet. Share other facilities, Female only, £50 week (reduced if weekdays only), Lynn 01235

BLEWBURY, bed bathroom, ample wa

BLEWBURY, double furnished

CHILTON, spo

GROVE, 3 bedroom semi-detached

WANTAGE, double ur TV. Beautiful surroundings and ing. Non smoking professional le preferred. £55/week (incl. of ls) plus telephone. Call

WANTAGE, 2 beds let furnished. Lovely h ginal features, off-road Available early June,

WOOTTON VILLAGE, 4 month

ACCOMMODATION HOLIDAY

CORNWALL, recently renovated bungalow, sleeps up to 8 people. All

0467 HOLTON, near

DEVON. beautiful South Hams self-catering apartments in wing of converted stone barn. Sleep four dylic rural location. Beaches and Dartmoor nearby. Dogs welcome. Tel 01548

HOLTON, nr Wheatley, suit female, n village house with ad parking. £295 bills. Tel mobile or 01865

TV. Very rea 01865

ST GERVAIS, nr Chamonix, French Alps, apartment to rent springsummer. Mourtain walking, swimming pool, iter rink, cog and cable rallways nearby. Sleeps up to five, superb views. All facils incl stelline TV. Very reasonable rates. Contact of lock ey

MARCHAM, three bedrooms bathroom with bath and power wer, lounge/diner, newly then, gch, garage. Bills pa ant. £480 pcm. 01865

UFFINGTON, 1930s chalkstone SCOTTISH BORDERS, 250 yr old holiday cortage sleeps four, all mod cons, TV, NS heating, incoming phone, etc. £150 per week. For more details call 01255

WEYMOUTH BAY (Haven) 2 and 3 bedroom caravans, indoor and outdoor swimming pools, clubs, bowling, no pets. Phone:

35 fax).

01235 WEYMOUTH Town. One bedroom ground floor flat, 100 mts beach. All amenities, no pets. Phone:

WANTAGE, single room to rent Non-smoker preferred. £50 per 01245 ABINGDON KUMON MATHS MISCELLANEOUS

esday and/or Friday afternoons, strchurch, pline (01235-

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

BEAUTY THERAPIST, Newbury/Thatcham area. R al offers for May: Facials ree wax treatments £1.50 IHHIT, IHBC.

COMPUTER TRAINING by experienced tutors, all levels of

HORSE RIDING/ part loans wallable. Weekend riding in Chilton Village (private yard) on well kept forses. Some riding experience preferred, union available. I hour ride £15 or 2 hour rides on the Ridgeway for £25. Part Loans considered. Please call Jan 01235

QUALITY second-hand furniture, china, brass, linen, pictures, bric a brac wanted, courteous service.
Tel. 01235

be held if a suitable venue can be found and sufficient numbers commit to the idea. organising committee is considering an event in October 2000. The ball will for local good causes? As the annual ball did not take place in March, the Would you be interested to attend an autumn charity ball to raise funds Autumn charity ball

Smallbone (AEAT) Yvonne Johnston (UKAEA) or Grahame Murphy (AEAT).

charities, please email one of the following: Janette Boram (AEAT), Susan Bowman (AEAT), Carol

f you would like to support this valuable charity event, which has so far raised over £27,000 for loca

5

=