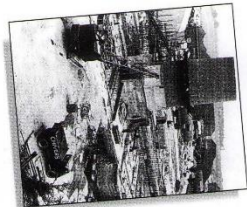
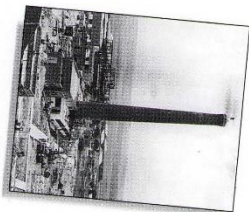


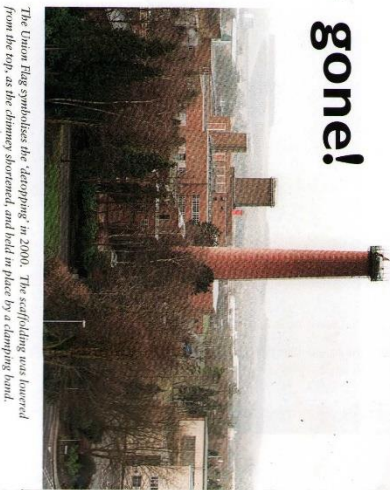
Going — going — gone!



Work starts on the BEPO stack in the months of the 1987 winter



The topping out ceremony in 1988



The Union Flag symbolises the 'de-toppling' in 2000. The scaffolding was lowered from the top, as the chimney shortened, and held in place by a dumping band.

Harwell's tallest feature, the 200ft BEPO chimney has been demolished, brick by brick, by a skilled team of steeples-jacks. The demolition forms part of UKAEA's environmental restoration works during 2000.

The chimney or 'stack' was constructed by Devizes firm, WE Chivers & Sons, whilst transforming the former RAF bomber station into a redbrick nuclear research campus. Construction started in the bitter conditions of the 1947 winter and was completed with a 'capping out' ceremony the following year (see photograph).

Demolition, 52 years later, started with the removal of the Portland stone cap early in January 2000. Subsequent

leading underground to the BEPO reactor.

BEPO, a prototype for Britain's Magnox power station series, needed five tons of air every minute to cool the natural uranium pile to a temperature of 200 degrees Centigrade. The original Ministry of Supply specification called for an octagonal chimney to exhaust the filtered air, but Chivers said they could build a circular one quicker and their advice prevailed.

Massive fans sucked air through 10,68ft underground ducts and these had to be tested before BEPO's start-up. Staff, and people in Didcot, were

dismayed to hear a booming noise being emitted from the stack! It is said that a scientist went home for a set of tuning forks to calculate the frequency. BEPO engineer Bob Jackson, now aged 78, recalled advice was sought from the National Physical Laboratory and the cause being found by Metropolitan Vickers in the ducting of their fan systems. A simple modification silenced the problem without delaying the project.

In addition to being the world's largest organ pipe, people recall that hot air from the BEPO stack pierced the densest of winter fogs!

Designs on the future

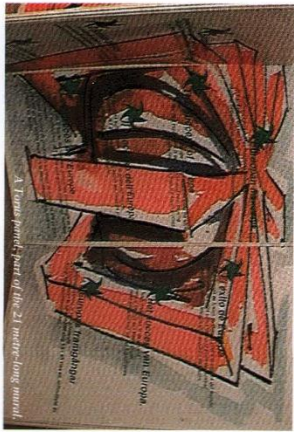
Local graphics company, Millgro Design, was recently invited to design and stage an exhibition highlighting the benefits of fusion as a future energy source at the European Parliament in Brussels. Co-ordinated by Culham's Fusion PR team, the event brought together all the fusion associations to promote the co-operation between the various European groups.

"We are used to producing large exhibition stands," said Stuart Roper of the Wareage-based studio, "but for this event we had to create a 21 metre long mural, with the added challenge of having with representatives from 14 countries and preparing information in 10 languages!" Stuart may be remembered by staff at Harwell where he worked in the PR department

between 1980 and 1984.

The brief, to convey a highly complex scientific subject in a simple and informative way, was achieved by the use of bold images on a timeline demonstrating man's inventiveness, together with simple explanatory panels and a central water feature representing how little fuel will be needed by a fusion power plant. This was backed up by more detailed literature in ten languages presented in a unique fusion future wall.

"The response from the usual technical exhibition," Part MEP's was fantastic," says Chris Carpenter, PR manager for UKAEA Fusion. "The mural was very eye-catching and a complete departure from the usual technical exhibition." Part of the display will be moving to Germany where it will be exhibited for a month.



A Timeline of Fusion - part of the 21 metre long mural

THE COPY DEADLINE FOR THE NEXT ISSUE IS: Monday 21 February for publication on Wednesday 8 March 2000.



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 Designed and produced by: The Imaging Centre, Harwell.



EURO

THE NEWSLETTER OF THE CULHAM SCIENCE CENTRE & HARWELL BUSINESS CENTRE

FEBRUARY 2000

JET agreement underway

Culham's status as the world's number one centre for fusion research has been guaranteed by the all-new agreement between UKAEA and its partners in Europe.



by all European Fusion Associations including UKAEA. Fusion scientists from all over Europe will be able to take advantage of these unique facilities for at least three more years.

The new implementing agreement comes under the auspices of the broader European Fusion Development Agreement (EFDA) which also covers fusion technology work and Europe's contribution to the International Thermonuclear Experimental Reactor (ITER), known as the 'next step' device. The Euratom/UKAEA Fusion Association has been awarded a £100m contract -



the JET Operating Contract - to operate the facilities for three years for a collaborative European programme of experiments.

UKAEA's senior manager responsible for JET will be Frank Briscoe (left). The newly appointed EFDA JET associate leader, Dr Jérôme Pamela (right)

Continued Page 2

This Month



Bright future



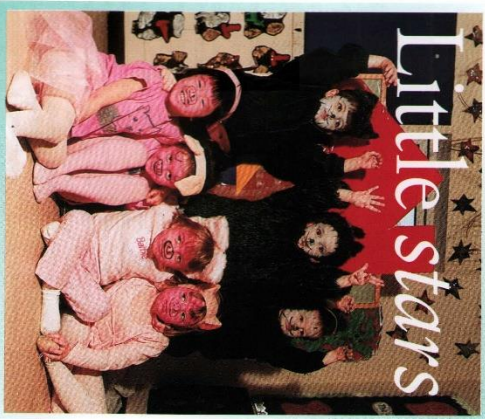
Millennium planet



Surprise Santa



Going going gone!

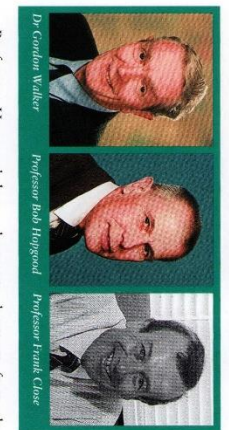


Little stars
 Children at Little Stars Nursery ended the year as they began - enjoying the story of 'The Three Little Pigs'. The nursery, based at CLRC Rutherford, Appleton Laboratory, began 1999 with the story as their chosen theme and in December the children performed the story as a play to the delight of parents in the audience. "All the children - aged three to five - enjoyed taking part but we did need to adapt the story line to accommodate a few more pigs and wolves!" said Anne Pearson, nursery manager. The nursery staff and children made scenery for the play and parents made the costumes.

"Wolves" prepare to pounce on the pigs" at the dress rehearsal. Front row, from left, Kay Wong (4), Danielle Eddler (6), Amy Hodgson (4) and Eleanor Barry (4). Back row, William Cunningham (4), Ailsa Atkins (3) and Harry Collins (3).

RAL New Years Honours

The work of three CCLRC staff at Rutherford Appleton Laboratory was recognised in the 2000 New Year Honours. OBEs were awarded to Dr Gordon Walker, for services to research, to Professor Bob Hoggood, for services to computer science and to Professor Frank Close, for services to research and the public understanding of science.



Dr Gordon Walker
Professor Bob Hoggood
Professor Frank Close

Professor Hoggood has worked on the Chilton site for the last 40 years, initially at Harwell, then the Atlas Computer Laboratory and finally Rutherford Appleton Laboratory. He has been involved in computer graphics since 1959 including pioneering work on computer animation. He currently chairs the BSI committee responsible for computer graphics and image processing standardisation. More recently he has been involved with the World-Wide Web Consortium (W3C), helping to develop standards for the Web and setting up W3C European regional offices including the W3C UK Office at RAL. He is professor of computer science at Brunel University where he has taught since 1965. He also has an

honorary doctorate from the Technical University of Darmstadt, awarded for his trail setting activities in the field of computer graphics. Professor Frank Close joined RAL in 1975 where he has remained, except for the period 1988 - 91 when he held the position of distinguished scientist at Oak Ridge National Laboratory and the University of Tennessee, USA, and 1997 - 2000, where he is currently senior scientist at CERN, the international particle physics laboratory in Geneva. He returns to RAL in March. Professor Close has written over 200 scientific papers on theoretical particle physics and he has written several popular books on physics including: *The Cosmic Onion*, *Too Hot to Handle*, and *The Particle Explosion*. He is a

member of numerous committees and is a Fellow of both the Institute of Physics and the American Physical Society. He is a regular contributor to the media, appearing on television on many occasions including giving the Royal Institution Christmas Lectures in 1994.

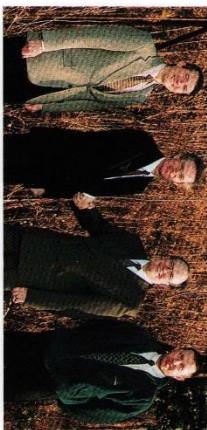
AEA Technology, non-executive director, Steve (Stephanie) Shildy OBE has been made a DBE in the New Year Honours.

Bomb dump clean-up

AEA Technology has won a contract from UKAEA for the restoration of the Southern Storage Area (SSA). Preparatory work is underway and work is expected to take 18 months before completion.

The SSA has a history going back to the RAF's use of it as an ammunition storage area in the Second World War. UKAEA used the site from 1952 to the

mid-sixties for a variety of waste-handling operations and for the burial of mixed chemical and beryllium-contaminated wastes. The SSA comprises a fenced



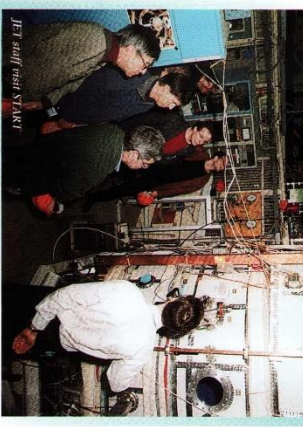
(L-R) Andy Graham (AEA/T project manager), Phil Holden (AEA/T managing director of Nuclear Engineering), Stan Goddard (UKAEA director of Southern Division) and Chris Morgan (UKAEA assistant project manager) standing on the SSA.

off 18-acre site at the southern eastern corner of the former airfield bounded by Chilton Field, a primary school and an open land to the east of the Rutherford Appleton Laboratory. Restoration initially began in 1987 since when all buildings, drums and some buried wastes have been removed. The only liabilities remaining are six small and five larger waste pits. Considerable investigations have been done on these to plan their final removal. Environmental impact assessments have been prepared and subjected to external scrutiny before the contract was placed. The Local Liaison Committee

North Gate entrance - temporary closure
Works will begin shortly on a revised layout of the North Gate entrance, to improve safety and security in this area of the Harwell site. The gate will be closed for approximately six weeks and is expected to start on 14 February. A Property Planners notice will be issued soon detailing the alternative access arrangements for pedestrians and innueter and outueter traffic.

Culham exchange visits

Staff from JET and UKAEA Fusion took time out last month to 'cross the bridge' and find out more about each others' work in progress as greater integration takes place. The reciprocal visits were the brainchild of Chris Carpenter, UKAEA PR manager for Fusion, and involved well over a hundred staff who took the opportunity to join in this information exchange.



JET staff visit UKAEA

Small groups of JET staff toured COMPASS, START and MAST, and visited the ECHH heating group and neutral beam division. A few days later UKAEA Fusion were taken on guided tours of JET areas including the Torus and assembly halls, the remote handling and 12 control rooms, the basement area and the diagnostic hall. Lasting for several hours February 2000.

the tours gave staff from all disciplines the chance to explore common ground and ask plenty of questions about the many operational and technical differences. JET staff were especially interested in the development of work at the MAST facility which was still being commissioned before the main campaign begins in February 2000.

Exhibition judged a success

Approaching 1,000 visitors went to Abingdon Museum to see an exhibition jointly hosted by JET and UKAEA during December. An informal reception hosted by Dr Derek Robinson to mark the end of the exhibition, organisers were pleased for their imaginative work and guests teased the future success of collaborative projects.

The exhibition tracked the history of fusion research at Culham and placed it within the broader context of Abingdon's industrial heritage. Local dignitaries attending the reception included Cllr David Buckle, ex-chairman of Oxfordshire County Council, who said, "I have been fortunate enough to visit Culham on several occasions and this marvellous exhibition has succeeded in linking the scientists with the people of Abingdon. We are very fortunate to have such exciting

projects on our doorstep." Vice chairman of South Oxfordshire District Council, John Simpson, who is also the local member for Culham and sits on the local liaison committee, commented, "I am very proud to have this prestigious project in my ward. I am always interested in the progress of the fusion programme and make every effort to foster a similar interest amongst my SOCD colleagues." Former mayor of Abingdon, Cllr Julie Mayhew-Archer, was particularly pleased that the exhibition had attracted so many visitors to the museum at a time when many people were busy preparing for the festive. She commended the material on display which was aimed at local people.

Chris Carpenter, PR manager for UKAEA Fusion, said, "We were delighted with the enthusiasm shown by local councillors and as a result will be inviting them to visit the UKAEA and Fusion facilities at Culham in the near future."

Clear drinking water for Hoy islanders

People living on the remote island of Hoy in the Orkneys will see clear water running from their taps for the first time when a revolutionary new water treatment plant is installed. ERG Environmental Resource Group, part of AEA/T, is to build a new plant to remove the peaty brown colour from tap water in the north of the island.

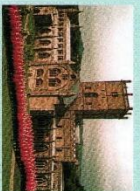
Many parts of the Scottish highlands and islands have distinctive tea-coloured tap water and, while the colour of the water is not a health issue, it looks unappealing and can cause laundry stains. New European water quality directives demand that drinking water must not only be clean and safe to drink, but also clear.

The North of Scotland Water Authority has awarded a £150,000 contract to ERG to install the treatment plant, which is only the second of its kind to be built. The first was installed by AEA/T in Arimate, on the north coast of Scotland, where water was particularly dark. The clarification process normally used by water companies is generally only economic for large municipal

treatment works. AEA/T has developed a new crossflow ceramic membrane filtration process that is cost-effective for remote areas. The filters are placed parallel to the direction of the raw water flow instead of across it to ensure that the filters avoid blockage and are constantly swept clean. The process also provides a barrier to bacteria and pollutants such as cryptosporidium, e-coli and toxic metals. "We are using technology originally developed for the nuclear industry to provide an innovative and cost-effective solution to the problem of brown water," says Neil Buchan, AEA/T's general manager in Scotland. "The potential exists to solve similar problems in other remote parts of the UK and the world."



Derek Robinson (left) Cllr Bryony Newport, vice chairman, WVOHDC and her husband



The South Wales Male Choir (which includes Nick Porsorom of AEA Technology and Geoff Shalloo and Paul Franklin of Johnson Controls) presents "Sound of Wales" a Gala concert to celebrate St David's Day at Cheltenham Town Hall on February 26th at 7.30pm. The choir will be conducted, for the first time, by Haydn James, who also conducts the London Welsh Male Voice Choir.

Tickets cost £10.50, £8.50 & £5.00 (concessions are available). Contact the Town Hall Box Office on 01242 227979.

'In the Lions Den'
February 23rd/24th, the Unicorn Theatre, Abingdon

The Studio Theatre Club presents 'In the Lions Den' by Felix Petreer. Set in Vienna 1938 the play traces a Jewish actor driven into exile by his Nazi colleagues. He dreams up an extraordinary and flamboyant revenge. The production is sponsored by the Austrian Cultural Institute and supported by Oxford University and St Anne's College.

The STC has been preparing a wide range of scripted drama for about twenty-five years, including original material and the ever-popular series of 'Discovered' adaptations. They are always ready to welcome new people - and no auditions! If you are interested either in joining the STC or coming along to the show then please contact Stephen Briggs, PO Box 655, Oxford, OX4 3EU or email briggs@oxcock.com or phone 01865 776766.

Tickets available from Modern Music, Abingdon, at £6. Telephone 01235 524316.

MRC Spring Seminars

The MRC Spring Seminar programme runs until mid-April with presentations on an almost weekly basis. Speakers include Professor Bryn Bridges (MRC Cell Mutation Unit, Brighton), Dr Eileith Stewart (University of Manchester) and Professor Peter Cook (Sir William Dunn School of Pathology, Oxford). All seminars will be held in the lecture theatre at 11.30am on Tuesdays. Check the up-to-date seminar programme on the MRC website: <http://www.har.mrc.ac.uk/events/semi.html>

Fond memories of Harwell library

Following the closure of the Harwell Information Service in March 1999, the two remaining staff have retired, leaving completed their task to redistribute books, reports and records to interested parties. Mary Haynes and colleague, Wendy Maskell, have served 25 and 31 years respectively at the library and have fond memories of the service when, at its peak, some 50 staff were employed.



Mary spent a year at the library back in 1969 before attending library school and working for the British Council. She returned to Harwell in 1974 and rose to become the librarian in charge. The library has occupied different 'homes' over the years and Mary recalls the purpose-built building (465) where it was established in the early 1960's, having moved from B329. As the operation was scaled down during the last decade the library was relocated to B149 and a major down-sizing exercise was required.

Even though she started in 1968, Wendy Maskell does not remember meeting the formidable Kirby Gossett who was the original founder of the library but her reputation as a very strong-minded person was well-known by all staff. Wendy recalls very clearly a

deanatic moment in the early 90's when the fire was discovered in the roof cavity of B465. Workmen had been using blowtorches in the roof space and there was a strong smell of smoke which many staff put down to an overworked photo-copyer! When smoke began billowing down from the ceiling the alarm was sounded and the fire service were quickly on the scene. Staff were evacuated to the canteen next door for an hour while firemen made certain that no smouldering material had been overlooked. Luckily no damage was done to stocks.

The principal purpose of the library was to keep a central collection of all Harwell records and purchase relevant material on behalf of AEA Technology, supplemented by various UKAEA library projects. As these

corporate services have become more difficult to justify and as AEAT needs less research material the library has been gradually scaled down. All books have been offered to local organisations including Abingdon College, RAL and NRRB. AEAT Nuclear Science has made use of much of the material. A collection of AEAT reports is now held in B329 and managed by John Lander. UKAEA now also holds its own records.

With extra time Mary plans to visit more art galleries and express her own artistic talents with acrylic and mixed media painting while Wendy is keen to see some writer sun and take an Australian holiday. We wish them both well.

Air travel increases UK radiation exposure

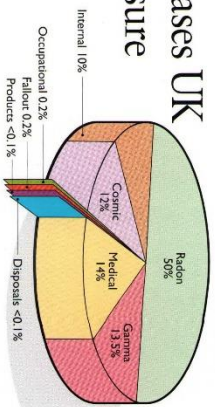
NRRB has recently published its sixth report in the series examining radiation exposure. The first study began in 1974 and the latest covers the period between 1992-7, detailing levels of exposure from natural and man-made sources of ionising radiation.

The average UK annual dose from all sources remains at 2.6mSv in the population of 39 million. The one component that has shown an increase is cosmic radiation, mainly due to increased air travel and improved measurements. Natural radiation makes up 85% of the annual average dose, half being from radon exposure, unchanged since the previous review.

Medical uses of radiation account for the largest man-made contribution at 14%, CT scanning has increased and now makes up 4%, but may account for more than 40% of the col-

lective dose from all diagnostic radiology procedures. Improved techniques in conventional radiology led to a decrease of about 30% in average dose per radiograph between 1984-97.

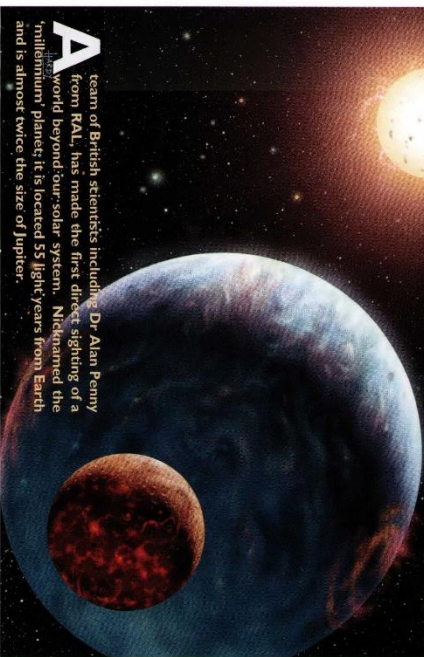
Annual doses from other artificial sources such as radioactive waste, nuclear fallout and consumer products, have fallen slightly. Occupational exposures continue to be low with a downward trend. Most of the elevated individual doses are from radon exposure at work and this continues to provide the largest contribution to occupational exposure.



Childhood cancer study

The results of the first part of the UK Childhood Cancer Study (UKCCS) were published in December 1997 in the *Lancet*. It is the largest study ever carried out in the UK to examine a number of factors that might be implicated in the disease. Commenting on the study results, NRRB stated that they provided no evidence that exposure to magnetic fields associated with electricity supply in the UK would increase risks for childhood leukaemia, cancers of the central nervous system, or any other childhood cancer. The study was a population based case control study involving 3838 cases and 7529 controls.

New Millennium Planet



A team of British scientists including Dr Alan Penny from RAL, has made the first direct sighting of a 'millennium planet'. It is located 55 light years from Earth and is almost twice the size of Jupiter.

An impression of how the 'millennium planet' might look. The moon in the foreground is imaginary but it is possible that the planet could have a moon.

Alan and his colleagues used the 4.2 metre William Herschel Telescope on La Palma in the Canary Islands in conjunction with a tailor-made computer programme. In the weeks leading up to the dawn of the new millennium they managed to 'untangle' the faint light from the distant planet from the blinding glare of its parent star, Tau Boos.

The star is easily seen by the naked eye but its planet has only been suggested by the 'wobble' in the light coming from the star as the planet travels around it.

In the past four years a total of 28 planets have been indirectly inferred using the 'wobble' method, though none has been confirmed by direct detection of its own light until now.

"To be one of the first people on Earth to see a completely new planet is an awesome experience," says Alan, "especially as we move into a new millennium. Our discovery is a major step in

finding out what these planets are really like - a step that could lead to finding planets like Earth."

The planet is about 1.8 times bigger than Jupiter but eight times its mass. Ongoing very close to its star the planet is expected to be a chemical cauldron at a temperature of around 1,100°C. Its colour is rather puzzling, as yellow, red and violet light are absent so the planet appears to have a faded blue colour.

Solar physics takes UK schools by storm

A sum of £70,000 has been awarded to a project, devised by local scientists and science teachers that aims the excitement of solar physics to the science content of the National Curriculum.

"The project will help to inform the public about the scientific successes in the UK and the studies of the Sun and its environment" explained co-ordinator, Dr Dave Pike from RAL. "Because of its influence on the Earth's environment, the Sun has a direct impact on our daily lives, so this field of science is exciting and relevant, especially as we approach the solar maximum - the period when the Sun is at its most active."

Dr Pike is also keen for the

presentations to be made by young researchers to whom the school pupils will be able to relate more easily. "We're hoping to help dispel the impression that science is only done by white-coated, sandal-wearing, middle-aged eccentrics", he added.

Scientists from RAL at Chilston, the University of Cambridge and the University of St Andrews in Edinburgh have teamed up with local teachers to provide educational material based on the physics of the Sun and its environment.

The money, provided by the Particle Physics and Astronomy Research Council (PPARC) under its competitive National Award scheme, supports projects which further the public understanding of science, and in this case will provide a website, CD-ROMs and educational material.

Mrs Vicky Fleming, head of science at the Downs School, Compton is acting as an educational consultant to the project.

SAFETY Update

There were three reportable incidents at Harwell and none at Culham since the last issue of ECHO. All the events involved more than three days lost time and were therefore reportable under the Reporting of Injuries, Diseases and Dangerous Occurrences Regulations (RIDDOR). A full summary of the incidents from this month's UKAEA member of staff and a convenient listing of manual handling activities.

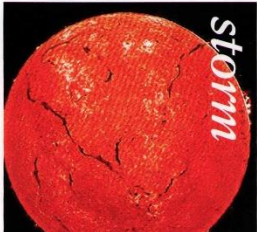


Bun wagon on trial!

A new bun wagon is currently being tested around the Harwell site. Organisers would appreciate any feedback about the service. If you have any suggestions, please contact Dawn Shaddeford at the Harwell Conference Centre by fax (42816). She would like to encourage Harwell staff to make full use of the bun wagon service because it can continue only with your support!

Retirement thanks

Sheila Woodoff would like to thank everyone for the good wishes and gifts given on the occasion of her retirement in early December and say 'cheerio' to those friends and colleagues she was unable to see personally.



storm

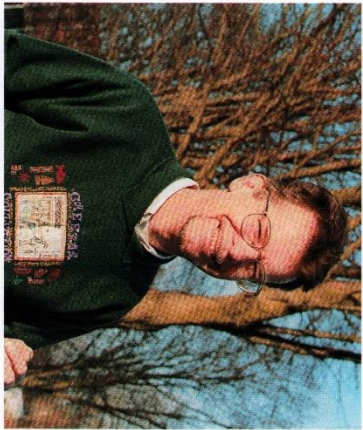
She said: "There is a real shortage of materials for classroom use on this topic. This funding means that all UK secondary schools will eventually have access to a brilliant interactive teaching resource."

First marathon at 51

Last year in a moment of weakness Peter Wood, who works for AEA Technology Environment at Harwell, applied for a place in the London Marathon, Lutdly, or maybe, unluckily, he was successful in obtaining a place and opted to run for The British Brain and Spine Foundation, aiming to raise in excess of £2000 in sponsorship.

The Foundation funds research and education into neurological disorders ranging from multiple sclerosis, Parkinson's Disease, brain tumours and nervous system degeneration. It has amongst its patrons such people as Sir Roger Bammer, Julia Somerville - who has herself had a brain tumour - Sir Tim Rice and Michael Parkinson.

"Running the marathon will be a significant personal challenge for me. I haven't run any distance since I was at school in the 60's and even then I probably never ran more than 2 or 3 miles," admits Peter. "I shall also be 51 when I attempt the run. I'm confident that I shall complete the course, albeit



Peter Wood will run for the British Brain and Spine Foundation.

not first past the finishing tape, and probably not second. I've been training for some 10 weeks and have so far achieved only 10 miles."

Nevertheless, Peter is looking forward to the opportunity to raise significant sums of money to enable the Foundation to fund further research. "If anybody feels that the founda-

tion is worthy of their support then they should please contact me; they never know, perhaps one day they or a close relative may benefit from the work that it does."

Contact Peter about sponsorship on : Telephone H3122 Fax: H3355 e-mail: peter.a.wood@aeat.co.uk

JCL backing spurs on footballers

Sponsorship by Johnson Controls Ltd (JCL) has inspired a boys football team to reach the top of the league. JCL has provided full kit to the Porton Under 10's playing in the Andover HAS League. Since donning the new kit Porton has won all nine games played and scored an impressive 51 goals with only nine scored against them.

Chris Davis is assistant manager in his spare time and works at JCL at Cullham. His son, Drew, has followed in his father's footsteps by playing for the team. The home pitch is based at the Chemical Defence Establishment of DERA at Porton Down near Salisbury and the league draws teams from Winchester, Southampton and Andover. The original Porton



Winning formula so far: Drew Davis is pictured back row, far left.

team dates back to the 60s and today plays to rules which differ slightly from those of BFA.

Chris explains, "We have smaller pitches and teams are seven per side to promote better ball control. We also have a rolling substitution from a squad of around ten so that everyone gets a game and there is no off-side rule."

Harwell Laboratory RECREATIONAL ASSOCIATION

Tennis AGM

Notice to all members of Harwell Labs Lawn Tennis Club of the Annual General Meeting of the AGM of the Harwell Labs Lawn Tennis Club will be held on Thursday 17th February 2000 at 12:30pm in the upstairs Function Room of the Harwell Recreational Society.

Please make an effort to attend. Your committee, who meet once every month, would welcome your attendance as a chance to have some feedback in the running of the club.

Any items for inclusion on the agenda should reach the Club Secretary, Lorina Chirringbold, 66 Harwell Rec. Sec. B161, AEA by Thursday 3rd February. Nominations for positions on the committee can be made prior to the AGM. They should be made in writing to the secretary, seconded and approved by the nominee.

Lorina Chirringbold (Secretary) - January 2000

Santa interrupts party

Santa was the surprise guest visitor at a Christmas party for around 50 children which was staged for the second year running by UKAEA at Harwell Business Centre.

Managers of Harwell's liquid effluent treatment plant organised the festive occasion that included a disco, magicians, face painting, bouncy castle and party food. Children and grandchildren of UKAEA staff were invited and over £100 raised for local children's charities.

Said UKAEA manager, Mike Scorey, "The party was a ruddy interesting character despite its desperate to donate presents! Participant thanks go to Dave Wilkins for organising the event and Colin Brown for giving Santa Claus a helping hand."



Santa puts his boots up after emptying his heavy sack. From left: Jennie Mistry (6) and sister Janella, seated; (4) Carmel Drake; (8); Kane Parry (7); Santa and Alison Drake (4).

ECHO exchange

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new fitting young babies up to 10kg. Hardly used. Excellent condition £10 R. 6346

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Raleigh Honey Indiegift's bicycle, 24" wheels, stored 15 years £30

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BMX bike for 7-11 year old, £30, new red and blue, old for 4-7 year old £15 only. C3801 or 01235

CHINA FIGURINE

Queen Victoria, pair antique bookends, gardenia & boy 17th century style). Sintered figure of Dick Turpin, King Alice on H2051 or 01235

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14" full working order £30. Mountain bike Giant Sierra 17.5" frame 21 gearshift gears, only 3 years old £55. Childs scooter £3. Or Oxford

CYCLE CARRIER

"Bidgee" 973 for estate cars and vans, takes 3 bikes, 660. Bike suspension forks, orange, RST381SR15 threadless steerer tube 18 1/8 inch A-head. £30. Tel 01235 (evenings)

FREE TO GOOD HOMES

Two unused sealed radiators. H450mm (L120mm W28mm, Types K1 (963Watts) & P1 (716Watts). Harwood sash window with double-glazed units and sill. Dozens donors. Kent C3367

FURNISHINGS

Think Engine bedroom furnishings. Curtains 54" drop with separate cream lining, pendant lampshade, bedside lamp, wash bin. All in good condition. £20 for the lot. Tel 01235

GAMEBOY for sale

£35 only. Tel 01235

GUINEA PIG BABIES

hard, long-tailed and Abyssian (rossetts). Very tame, make excellent pets. Two males may be kept together. Thomas (1) each, C3873 or 01235 (eves & weekdays) website: www.gcod.co.uk/petshop/pg3/3/

DIDDYCOT

modern furnished studio flat available to let from end of Feb. 2000 for at least 6 months

Adverts on this page are free to all staff at Cullham, Harwell, JET, YMC, Merton, NRP and AEA. For more space, please contact your local office. This page is also sent to Nick Hance, UKAEA, B521, Harwell, Didcot, Oxon OX11 0BA. For next copy deadline see back page.



All ads, apart from holiday accommodations, will be run for one month. Please resubmit any ads to be repeated. Telephone prefixes are: Cullham, Harwell, JET, Merton, NRP, NRP88, and R. Rutherford (Apprentice Laboratory).

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MODERN ZOOV 56K external

unwashed Xmas present. £50 only. Tel 01235

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genuine Vauxhall for Challenor. 88-95 £25. Tel 012357

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Kettler Cash Rowing machine uses friction wheel principle. V.G.C. £150 only. Tel 012357

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TABLE BED

size 17 1/2" wide by 31 1/2" long. A single bed which folds up. Top can be used as a table, plus extra mattress for single bed. £80. Phone 01561

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"Sharp" portable electronic typewriter/model PA 3110. As new £30 only. "Corby" trouser press. As new £30 only. Tel 01235

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

ACCOMMODATION

DENCHWORTH, room to let in Denchworth village, close to Watlington. Own refrigerator essential, new smoker, 660 per week, including all bills except telephone. Tel 01235

DIDDYCOT

modern furnished studio flat available to let from end of Feb. 2000 for at least 6 months

ACCOMMODATION

CORNWALL, Pillerford, near Looe. 2 bedroom holiday with 20 meters front beach, sleeps 5, TV, video, heating. From £70 per week. For more details ring 01503

CORNWALL

Newquay, modernised cottage, three bedrooms, private six, sunny garden only, no pets. Private parking, sea view. Contact Brian (1) 89

FRENCH ALPS

Apartment in St Germain close to skiing, ice skating, walking, all shops and all facilities. Sleeps 4-5, fabulous views. Available now onwards. £165 to £280 per week. Phone Norman 01885

MOTORS

CITROEN AX 1.0 N reg, dark blue, service history, excellent condition. MOT until July 2000. company car forces sale. £2700. Tel H4022 or (01235) evenings

ROVER 430 GSI, 11" reg, 435k miles, Red 1951, Vauxhall Astra 2000, 1400k miles, both in excellent condition. Both for sale. £2000 each. Tel 01235

TYR - Convertible classic British sports car, V8 28 horses, fast fun at £6900. Call Steve on Oxford (01865) or mobile 07971

WALLINGFORD, room to let, suit male/female non-smoker. 1-6 weeks. Contact 01491

WANTAGE, room to rent in shared house with garden, available immediately. Professional non-smoking female professional. Must like cats. £300/calendar month incl bills (excluding telephone). Please contact Kate on 01235

WEST HEMDEB, newly decorated own room and bathroom with separate entrance. TV, very quiet. £70 per week. Ring 01235

SUTTON COURTYENAY room to let in large house, use of all facilities, incl. parking, full professional, non-smoking. £65 pw/including bills. Tel Richard on 01235

LUTTON COURTYENAY room to let in large house, use of all facilities, incl. parking, full professional, non-smoking. £65 pw/including bills. Tel Richard on 01235

RAMSGOON KUMON MATS centre, Tuesday and Friday afternoons at Christchurch, Northcourt Road, Children aged 5-16. Open days in March. The 2nd (15.00-8.00). Sat 4th (10.00-12.00). Caroline (01235) or www.kumon-uk.com/abbingtonfranchise.co.uk

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Anyone wishing to know the answers to the ECHO Christmas crossword puzzle should contact Rita Higgs on 46906 for a copy of the solution.

Christmas puzzle

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