



The April Diary

- 3rd Darts Evening
- 5th Community & Vocational
Committee
Classification &
Membership Committee
- 7th Rotary Meeting
- 8th Wolf Run
- 12th Foundation Committee
- 14th Good Friday – No lunch
meeting
- 18th Sports & Entertainment
Committee
- 19th Youth Services Committee
International Committee
- 21st Rotary Meeting
- 22nd Barn Dance
- 26th Council Meeting
- 28th Rotary Meeting

For the full year's diary visit
www.banburyrotaryclub.org.uk



President Owen's March round up

It is very hard to believe that we are now three-quarters of the way through my Presidential year - astonishing! March was a busy month with plenty going on both in the Club and externally.

We saw two wonderful Purple4Polio Concerts hosted in St Mary's Church at the beginning of the month. It was great to see this back on the Club agenda this year and both evenings were an enormous success in every possible way. They were magnificent events in their own rights by virtue of the music we heard on both evenings but in addition were hugely successful in terms of raising awareness of Polio Eradication, raising our own profile in the local community and raising funds for Purple4Polio. However over and above all else they were fantastic evenings of entertainment, so many many thanks to Rtn. Fred Riches, all the schools and teachers and everyone else involved in organising these great nights!

In not entirely unrelated news, we were delighted to see Mary Eckert, who was the runner-up in the Banbury Young Musician senior singing section go one better in the District 1090 finals on 11th March 2017, winning the competition and securing a place in the regional finals. The Tudor Hall student impressed the judges with her virtuoso by singing "Vedrai Carino" by Mozart, "Somewhere" from Leonard Bernstein's West Side Story (the piece with which she had previously entertained us at one of the Purple4Polio Concerts at St Mary's Church Banbury) and "Per La Gloria D'Adorarvi" by Giovanni Bononcini.

13th March saw the Club put on its usual team effort in terms of the practice interviews at Blessed George Napier. Many thanks are due to Rtn. Nigel Randall for organising the event and to all

the Rotarian and friends of the Club who gave so generously of their time to pitch in and help.

On 17th March I had the very great pleasure of presenting Rtn. Jonathan Meredith with his Paul Harris Fellowship for his many years of service to the Club, and then had the added pleasure of listening to him as our speaker for the day!

Monday 20th March saw a good attendance at our Club AGM, so thank you for the good turn out and your attention.

I was very grateful to the many club members who accompanied me to District Conference which ran 24th to 26th March in Bournemouth. It was a great turnout in terms of numbers from Banbury Rotary Club - I would guess we were the biggest contingent there. We enjoyed great entertainment and food as well as learning much about the District's activities and got to listen to many inspirational and fascinating non-Rotary speakers. The highlight for me was probably Naomi Riches. Naomi spoke at our District Conference in 2014 and told us her story - how she became involved in rowing and culminating in winning Gold at London 2012 Paralympics. She has since retired from the sport and now works as a Development Consultant for Thomas Sport and Education building and maintaining relationships with clients, as well as supporting her Manager and Consultants at all stages of the client cycle. With her background in Sport and her ability to connect with young people in the school environment, much of her time is spent working directly with the clients, delivering workshops, feedback sessions and development sessions.



She is also now Patron of the IN-vision charity whose mission is to raise awareness of further research into and maybe even find a cure for Infantile

Nystagmus (IN). She was diagnosed with Nystagmus at just a couple of months old and she sees being able to support such a fantastic charity as an honour. To raise funds for IN-vision she undertook The Great Thames Row from 17th to 19th September 2016, rowing single-handedly 165 miles from Lechlade to Gravesend in 47 hours, 59 minutes and 54 seconds! It was this row which she gave us a compelling talk about and at the end of which she was awarded a Paul Harris Fellowship. My thanks to Rtn. Ian Rodrick for organising the group of us who attended.

I won't steal anyone's thunder on the fifth Friday meeting (especially as I wasn't there!) other than to say thank you to 1st V.P. Alan Wolstencroft for standing in for me as I was away and Rtn. Fred Riches for organising our speaker Peter Bussey who spoke on the topic of the God Particle.

Well that's about it for March so see you all next month!

President Owen Kyffin

Speaker Reports

Julia Cooper – Drop the anchor into the world of cruise



Julia, who lives in Brackley, had worked for High Street travel agents for 30 years before doing her own thing and becoming a Freelance Travel Consultant last year. This change allowed her to work from home, be available for her family and set her own hours. It also allowed her to specialise in her first love, cruising holidays.

She told us that P&O first started carrying passengers in 1844 and were the first company to

launch a purpose built cruise ship with 120 cabins in 1900. Little would they realise what they were starting when you consider that the current largest cruise ship "Harmony of the Seas" accommodates 5479 passengers and seems to have an almost limitless variety of entertainment from climbing walls to artificial surfing pools. Not for them Deck Quoits!!

The total number of people choosing a cruising holiday has increased from 4 million in 1990 to 23 million last year with destinations from Antarctica to Alaska and the Caribbean to the Far East. There has also been a resurgence of River Cruising in the last decade.

Julia confessed to me that she was a bit nervous as this was the first time she had addressed a Rotary Club. You would never have known it - she was informative, amusing and proved a first class speaker and even when let down by her video not working she carried on like a professional and fielded many questions like the expert she clearly is.

Rtn. Ian Rodrick

Joan Greening – Shakespeare Schools Festival



On 10 March Joan visited us to explain how Rotary can be involved with the Shakespeare Schools Festival. For those who do not know, Joan is called (on Twitter for example) TheWriterJoan, being among other things, like Shakespeare, a well known playwright herself for theatre - and TV. So, we can see where her interest in the Shakespeare Schools Festival arises.

There is no doubt that this charity provides wonderful opportunities for development of young people. The Shakespeare Schools Festival

(www.ssf.uk.com/) charity is the UK's largest youth drama festival. Schools who participate perform half-hour abridged versions of Shakespeare's plays in local, professional theatres all over the UK. It was started in 2000 and has progressively grown with over 300,000 people taking part last year. SSF aims to engage children through an active way of learning. The charity strives to bridge "the attainment gap" by boosting articulation and confidence, as well as imparting key employability skills such as teamwork, peer leadership and critical thinking. In preparing and performing the plays participants also learn about Shakespeare's language, themes and characters.

All schools are able to take part in the festival, and the charity actively targets disadvantaged schools and teachers who feel that their pupils cannot do Shakespeare. After a pilot scheme in 2011, SSF now also works with primary schools.



One quote from a 14 year old participant probably says it all:

"At school, I found it difficult to work with other people...I was scared and worried because I wanted to get on with other people, but I couldn't. I found out about Shakespeare Schools Festival and I felt like I wanted to be part of it. I have made a lot of friends around school now and I am a lot calmer and happier. When I was on stage I felt like the atmosphere was calm and peaceful in my brain. I have learnt that there is nothing to be ashamed of. I am proud of what I achieved."

The schools taking part fund half of the expenditure required with the other half being provided by the Festival Trust itself. If a Rotary club wishes to be involved obviously financial support is welcome but there are also practical ways to help such as

providing transport. Anyone wishing to have more information can contact Joan on joan.greening@btinternet.com

Rtn. Ian Calderbank

Rtn. Jonathan Meredith – Longer Serving Member

As it turned out this speech was all a*s* about face in that the vote of thanks was made before the speech in the form of a well-deserved presentation of a Paul Harris Fellowship to Jonathan. The poor chap was totally flummoxed. Never had his flabber been so gasted! It seemed so unfair on the poor chap to expect him to deliver a speech coolly and calmly after a surprise like that but, as ever, he rose to the occasion magnificently and gave us a speech that only Jonathan could with his dry wit and self-deprecating humour.



Jonathan told us he was born in Leamington Spa on 25th June 1946, and he should know. His mother was a full time housewife and his father was in the RAF in Bader's squadron of hurricanes during the Battle of Britain, a fact that has obviously had a profound impact on Jonathan in terms of his respect for his father and the contribution he made to that crucial time in our history.

Academia eluded Jonathan almost entirely at school (a Latin mark of 6/60 "pathetic" still rankles) and being in trouble for putting a sign on the Masters' Common Room door stands out in the memory. Mind you, the sign did read "Warning - May Contain Nuts", so it's hardly surprising really.

Leaving school in 1963 he joined a firm of accountants in Leamington and stayed with the same firm until (albeit for much of the time in

Banbury) 2008. He continues to run his own practice from home.

Jonathan met and eventually married Jane in 1973, having 2 sons in 1978 (James) and 1982 (John). John has become a professional rugby referee and Jonathan and Jane go to matches as often as they can, as they say, "To prove he does have parents"!

We all know about Jonathan's immense contribution to Rotary, but his commitment to local affairs also extended to a long career in Round Table (including being Area Chairman), Secretary of the Leamington Chamber of Trade, Warwick School Old Boys, and a Trustee of the Fosco Hospital.

Outside interests include not only a continuing passion for the RAF including getting the Vulcan back in the sky (almost single handed according to Jane), a passion for the Royal Navy (from watching RN warships when on holiday in Southsea in the mid-1950s), and a passion for the Fire Service. Please all check your house insurance policies are up to date!

Jonathan's Notes made in preparation for his talk include the words "Enjoy Rotary and hopefully make some contribution." I think the presentation to him after lunch has confirmed that!

Rtn. Nigel Yeadon

Jonathan's subsequent comments on being awarded a Paul Harris Fellowship were typically self-effacing. Namely that he has joined a distinguished group, is humbled by the honour and at a loss to know why he has been singled out. In contrast, bearing in mind his activities helping charities since the mid-1970s (around 40 plus years) and fronting successful and flagship events with Rotary, I think everyone else will be thinking this particular honour was not only well-deserved, it was also extremely overdue.

Ed

Peter Bussey – Illustrated talk on the God Particle – what can the Hadron Collider tell us about the Big Bang?

On March 31st, the second and final fifth Friday of this Rotary Year, we welcomed Peter Bussey, a particle physicist (and former classmate of Fred's), to elucidate the mysteries of atom-splitting activities in the Hadron Collider on the CERN Laboratory Site near Geneva. Here follows Fred's

attempt to cover our learning track without illustrations!



Peter explained first that nearly all the mass of an atom resides in the nucleus, made up of protons and neutrons, which is surrounded by a cloud of electrons, which are very light, and that the electrons and nucleus (protons and neutrons) are held together by an electromagnetic force - manifested as photons. Peter further clarified that each proton is made of quarks (of the 'up' and 'down' variety) held together by a nuclear force carried by gluons and that protons, neutrons, electrons, photons and gluons are examples of 'elementary' particles (the photons and gluons being massless, and a photon being a particle of light).

Hanging onto Peter's coat-tails, we heard that all massless particles travel in vacuum at the speed of light, that while the electron has a very small mass compared with a proton, 'up' and 'down' quarks are very light, the mass of each proton comes from the energy of the quarks and the gluons inside it, that as well as 'up' and 'down' quarks, there are also 'charm', 'strange', 'top' and 'bottom' quarks, three types of neutrino and three leptons (muons and taus as well as electrons). While the 'up' and 'down' quarks are quite stable and quite light, quarks are found only in composite particles. Neutrinos are also stable and light but can turn into each other. Electrons are stable and light, but other quarks and leptons are massive and unstable and the only way to observe them is to produce collisions in an accelerator. A special force called the "weak" nuclear force can make some atomic nuclei decay (beta-decay). Neutrinos are given off in these decays. Forces are carried by particles. A photon, with an electromagnetic force, holds atoms together, while a gluon, with a strong nuclear force,

holds protons together. The W, Z particles, with a weak nuclear force, are seen through radioactive nuclei decay. This is because W and Z are very unstable particles, manufactured in particle collisions in accelerators. These W and Z particles are also very massive: 80,000 and 91,000 MeV. Antiparticles exist too, with opposite electric charges to the particles.

In the 19th century, electricity and magnetism were connected in one theory called electromagnetism by James Clerk Maxwell (Edinburgh, Cambridge), who developed four equations that interconnected electric and magnetic fields - (after Faraday's experimental discoveries.) In the 20th century, electromagnetic and weak forces were combined in one theory, which predicted the W and Z particles, but this theory considered all these particles as *massless* - travelling at the speed of light. One answer was to introduce another particle/field that would "complete the picture" and enable quarks, electrons and W and Z particles to have mass - the Higgs particle. It forms a mathematical pattern along with the photon, W and Z.

To recap, Peter showed an illustration of the 'Elementary Particles' showing Quarks, Leptons, Force Carriers and three generations of matter - to which was added the Higgs Particle. What does the Higgs field do? It exists everywhere in space, and attaches itself (with various strengths) to other particles to make them massive. Peter invited us to think of an icy cloud, and everything passing through it becomes covered with a coating of ice. Excitations of the Higgs field led to discovery of Higgs particles. (An electron weakly coupled to the Higgs field, gains little mass. W and Z strongly coupled gain a lot of mass.) The Higgs particle is often called the "Higgs boson". There are two classes of particles, bosons and fermions, which differ in the "spin" of the particle. The Higgs has no spin and is termed a boson (named from an Indian physicist who did early work on this). There are other theoretical possibilities to give particles mass, but the Higgs method is the favourite. Around 1964 theorists such as Kibble, Guralnik, Hagen, Englert and Brout published similar ideas about the "Higgs field". Higgs said it should be a particle as well. The Super Proton Synchrotron was created at the CERN site, followed by the much larger Hadron Collider. We were shown images of huge electromagnets from inside the Collider tunnel and schematic pictures showing how proton beams are accelerated towards each other in the tunnel into

the ATLAS Apparatus where the collision enabled outgoing particles to be observed. A simulated Higgs Particle production event was shown plus an exploded image of the ZEUS Experiment Apparatus at HERA in Hamburg and a picture of some 150 collaborators involved in ZEUS. (Peter had worked early in his career on the ATLAS Experiment at CERN and latterly on ZEUS.) The next schematic diagram showed Reproduction of a high energy event in ZEUS, where a positron knocks a quark out of a proton, recoiling backwards, and the quark turns into a jet of particles.

Before explaining that the existence of the Higgs particle had just a few years ago been proved by a number of particle collision experiments, Peter explained that the concept of 'God Particle' was merely the title of a book published in 1993 by Leon Lederman about the discovery of the 'Higgs' particle while it was still an unproven mathematical proposition - a title invented to give the book good publicity! A photo graph showed great rejoicing among the community gathered at the CERN Laboratory when the existence of the particle was finally proved.

Peter's talk concluded: "What about all the "God particle" language? It's not a good name. The Higgs doesn't *create* matter. It does give mass to a lot of particles - e.g. electrons, but not the photon or the gluon, nor the proton, whose mass has a different origin. It prevents them from always travelling at the speed of light. Without it, chemical atoms might not be able to exist! It has its place in a mathematical pattern along with other particles, giving a theoretical mechanism by which forces and particles can be united in one scheme. It can be said to indicate that the universe is set up in a very ingenious way! It is certainly a very cleverly set up universe! Experiments are now looking for more new particles that are less precisely predicted - e.g. "Supersymmetric" particles. Watch this space....."

Rtn. Fred Riches

I shall be asking questions later!!

Ed

Notes from Council 22/03/17

From committees' minutes the issue of transporting guests to Rotary functions was raised. It was recommended that two Rotarians accompany each guest (with advice from the appropriate Charity) to ensure safeguarding.

International Committee reported £568 raised at talk by Allan Carroll on Antarctica.

The matter of Corporate Membership and Friends of Rotary was discussed and referred to Membership Committee for their consideration.

Hon Secretary reminded the Council of next District Meeting on 30th March. 1st Vice Rtn Alan Wolstencroft to attend.

Hon Treasurer reported the accounts up to end of February have been circulated and unrestricted funds stand at £4,146.

Members' widows and members of Inner Wheel have been invited to Fifth Friday 31st March with good response.

The President has had a busy month attending White Areas President meeting, Inner Wheel Early Bird Supper (2nd) March, Inner Wheel's St David's Day Party organised by their President, Rtn Helen Morris with her Social Committee, and both Crocus Concerts.

Rtns Alan Wolstencroft & Owen Kyffin are to research President's Citation for the next Rotary year.

Council confirmed the discontinuation of the Activities Book.

Improving the performance of the Club Sound system is to be investigated.

Rtn. Peter Wilkins

Events

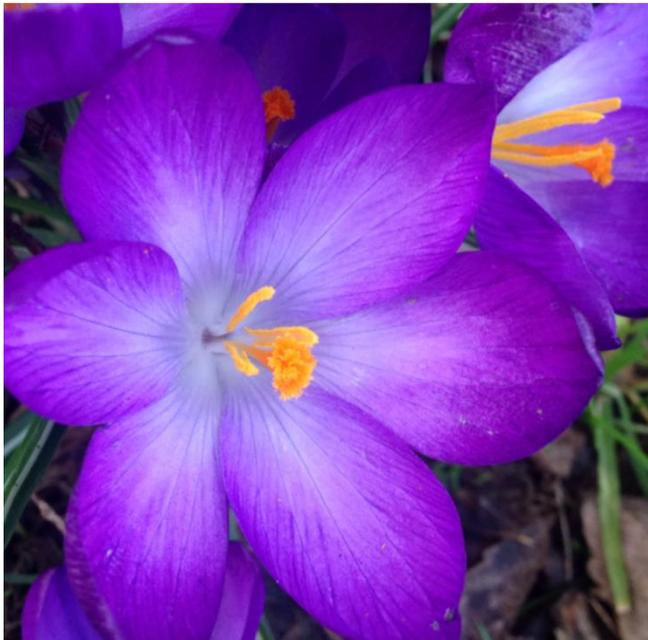
Purple4Polio Concerts

So - nine months after this year's first invitations went out to schools and council officers to join us on the various Purple4Polio projects for the 2016/7 school year, we are about to put them to bed.

Your Club Crocus Projects Working Party will meet for one last time in the current Rotary Year to learn the lessons of this year's activities and ponder whether to continue next year and if so where we should put our efforts.

Overall it's been a very successful year, with hundreds of pupils and students involved in over thirty local schools. From the arrival of 85,000 corms destined for various parts of Oxfordshire, through the planting by our Club and partners of

47,700 corms, through the four evenings of Children Singing for Children Concerts, the visiting of primary schools to plant crocus packs, the early spring arrival of around 100,000 crocus blooms from corms we've planted over the past four autumns, to the final two fundraising concerts in March, which raised £3,000 - it's been a series of jobs well done.



And I gather we've been able to send £7,000 to RIBI's Polio Fund this year - sufficient to vaccinate around 63,000 children. Many thanks to all who've played a part.

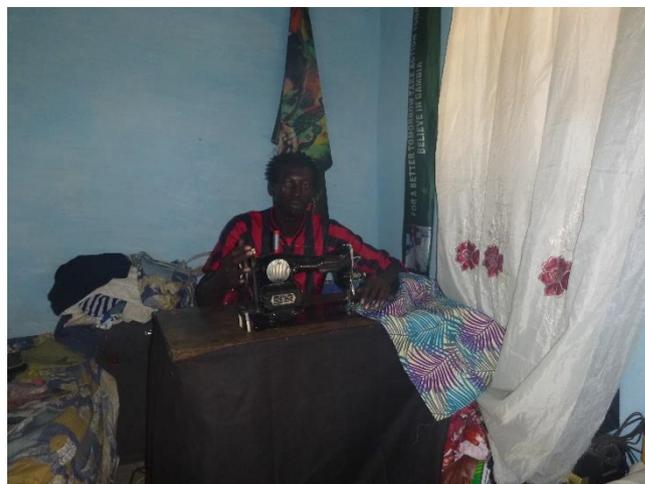
Rtn. Fred Riches

Gambia Update

Although classroom specification at Prospects School remains in need of improvement, a clean water supply has now been provided.



This is the completed borehole. It is solar powered and fills two no. 2,000 litre tanks in 30 minutes. There are 6 standpipes within the school grounds and another one outside which is unlocked for several hours during the day for use by local residents. The village is several miles from any other main town and without the school, children would have to walk every day. Without clean water (the current fate of an estimated 10% of the world's population [c663 million people] according to WHO and UNICEF 2015), the school children their teachers and the local residents would all be susceptible to water borne diseases.



Matt Ceesay was a studying to be a tailor last year. Now he has a developing business spreading by word of mouth helped by the provision of a serviced standard sewing machine. Along with his brother, Ceesay (a gardener at a local hotel), he is helping to support their mother and Ceesay's young daughter.

The education of three children is being helped through the payment of their school fees for the second year running. Essential books have been provided for another.

Ed.

Weekly Meeting Duties for April 2017

<u>Date</u>	<u>Table Duty</u>	<u>Cash Desk</u>	<u>Fellowship</u>	<u>F&H in charge</u>
07-Apr	P Thomas R Thompson A Warren J Webb P Wilkins A Wolstencroft	J Smith P Shea	E Woodruff	A Wiltshire
14-Apr	Good Friday No meeting			
21-Apr	R Worrall N Yeadon I Anthistle A Bedding J Bennett S Bion	G Anker R Barnett	S Maxwell	S Crump
28-Apr	J Brodey T Bryce I Calderbank P Cavill B Cornley N Deakin	H Braisby M Budd	M Dibb	M Humphris

PLEASE REMEMBER - If you are unable to carry out your duties as shown above, it is your responsibility to arrange a substitute and amend the list. This applies to all duties, including table duties.

Speaker Programme for April & May

<u>Date</u>	<u>Speaker</u>	<u>Topic</u>	<u>Host</u>
7 April	Ron Barnett	Twinning	John Donaldson
14 April	Good Friday	No meeting	
21 Apr	John Groves	New member Talk	Phil Cavill
28 Apr	Edith Sim	Parkinson's UK	Tony Wiltshire
5 May	Emily Fleming	Helen & Douglas House	Helen Braisby
12 May	John Ekers	The Adderbury Village Morris Men	Geoff Pollard
19 May	David Richardson	New Member Talk	Ian Calderbank
26 May	Karen Irvani	Parents Talking Asperger's	