

Courage, Camaraderie and Community

As part of the National Coal Mining England's 2014 Museum for exhibition programme, we have held the 'Courage, Camaraderie and Community' exhibition. Through stories of friendship, community and courage, the exhibition explored a relationship intertwined with the mining industry, a history of dealing with loss and building hope for the future. From the earliest memorials to new banners in the north-east; from the commemoration of World War I to the establishment of the Bevin Boys' memorial commemorating their work during World War 2; and from the humblest pit tub outside a village to the last colliery brass bands.

In the century since the start of the Great War, it is easy to forget the contribution of coal miners, both on the battlefield and at the pit. Memorials to the War do not often show the previous occupations of the fallen, and the hundreds of official memorials are silent about the origins of the people

whose names are engraved there. Around 250,000 miners enlisted in the first year of the War.

Miners also became part of Pals regiments, in which groups of men from one local trade or area enlisted together. But they also took on a special role within trench warfare as tunnellers; joining quarrymen and others with specialist skills who built the tunnels which allowed





The Memorial at Givenchy to the tunnelling companies and also particularly to the memory of Sapper William Hackett VC, 254 Tunnelling Company RE and Pte Thomas Collins, 14th Battalion, The Welsh Regiment

mining underneath the enemy trenches. This work was commemorated, in 2010, with a memorial at Givenchy in France.

The great loss of life in World War I meant that coal companies often commemorated the sacrifice of their own employees. Many collieries had memorials in colliery buildings, on show where they could be seen by all at the pit; but as collieries have closed, these have often become scattered. More permanent memorials have remained in communities and churchyards throughout the coalfields.

With the upheavals of World War I behind them, coalfield communities looked towards the future, those men that returned from the trenches went back into the industry, while the many families of those who didn't adjusted to a life without

their husbands, sons or fathers. Sadly the peace was not to last, with the growth of nationalist socialism in Germany during the 1920s and 1930s, the clouds of war were again growing over Europe

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responded Manv miners to recruitment for World War II by leaving the industry. As many as 65,000 men left the coalfields to earn a better living in the first year of war, about half joining the forces. This left mining short of experienced men. While some efforts were made to call men back into the industry, high unemployment in some regions meant men were allowed to join up even though coal was essential for the war effort. From 1941 an Essential Work Order prevented miners from enlisting.

As the War continued, coal began to be in short supply. Men had to be recruited from elsewhere to work in the mines. Bevin Boys, conscripted into mining through a ballot system, were just part of the invisible army

of industrial workers who supported the war effort through their labour. In 2008, after much campaigning, they received acknowledgement for their war service through the award of a veterans' badge. In 2013 a national memorial was erected at the National Memorial Arboretum, nearly seventy years after the first Bevin Boy picked up a coaling shovel.

Miners who died in the services tended to be commemorated on existing memorials to World War I and 2 and it is more difficult to find a link with their mining past.

From the original exhibition text by Rosemary Preece and Anne Bradley.

- Darran Cowd (Collections Manager The National Coal Mining Museum for England)

I am most grateful to Darran for the above article, remembering in particular those coal miners who fell in the Great War where their tunnelling skills were so important. One in five miners volunteered to "do their bit", so many in fact that the government soon barred them from signing up in order to safeguard badly-needed coal supplies.

Whilst miners were considered too valuable for cannon fodder, when the Western Front stuttered into stalemate their skills were soon required to lay enormous landmines beneath the static lines of trenches. So sought after were experienced miners that normal age restrictions were waived for them with men up to the age of 60 sometimes accepted. They were not only in demand for their mining skills, but because they

were used to hard work and poor conditions, and already possessed the sort of military discipline which comes from their very lives depending on each man doing his job properly.

According to military historian Peter Barton, as the cat-andmouse battle of outflanking and interception began to mirror the war on the surface, the tunnels became increasingly unpleasant places to operate. "The men would only have had a week's basic training because, as miners, they were expected to already know everything they'd need to," he said. "So within a matter of days of leaving home they'd be in a dark, damp, claustrophobic tunnel. Silence was essential as you never knew whether the enemy tunnels were forty metres or 40 centimetres away from you. You'd be living with

the constant danger of poisonous gas and cave-ins. But by far your biggest fear would be that if you were detected, the enemy would lay a charge. If you were lucky you may be killed instantly. If you weren't, vou'd be entombed alive."

Writing at the end of 1916, Field Marshal Haig, commander of British forces on the Western Front, noted: "The Tunnelling Companies still maintain their superiority over the enemy underground, thus safeguarding their comrades in the trenches. Their skill, enterprise and courage have been remarkable."

By the end of 1917 the front lines had begun to move so quickly that there was no time for extensive tunnelling and the bloodiest of all the battles was effectively over.

- Past Master John Bainbridge





The battlefield today - entrance to the tunnels in the Somme



Restoration in progress to Kiveton Park Collieries memorial, Yorkshire

News from the Court

ROYAL CHARTER

The Court is indebted to Court Assistant Michael Shirley, who has assiduously guided our petition through the responsible authorities with the learned advice of barrister Keith Lawrey LLB, MA, MSc (Econ), FCIS. Subject to all necessary approvals being received, presentation of the Royal Charter is intended to be celebrated at the Guildhall on 16th March, 2015.

216 SQUADRON RAF

216 Squadron RAF having been disbanded in March (see The Fueller May 2014), Wg Cdr Peter Morgan is no longer an Honorary Liveryman of the Company. He has been offered Freedom of the Company.

DEFENCE FUELS AND FOOD SERVICES

Defence Fuels and Food Services has been restructured from September 2014 as two separate units at MOD Abbey Wood. The fuel side will be known as Defence Strategic Fuels Authority and headed up by a Group Captain. Gp Capt Andy Killey has been redeployed and is no longer an Honorary Liveryman. Gp Capt Guy Sawyer has been designated to head up Defence Strategic Fuels Authority and becomes our Honorary Liveryman with this new unit.

SPONSORSHIP OF THE FUELLER

The Court is grateful to EY for agreeing to sponsor The Fueller for this and the next two issues. EY also facilitate the Fuellers' Conversations series at their offices. We greatly appreciate all of their assistance.

CHANGE OF COMPANY BANKERS

The Company has opened new Banking facilities with the Cheapside office of Lloyds Bank plc. Branch Address : PO Box 1000, BX1 1LT. Sort Code : 77 91 65. Account Number : 13290360.

Those members paying Quarterage by Direct Debit are unaffected and not required to take any action. Those members paying either Quarterage, or for attendance at functions, electronically by bank transfer, are asked to use the new facilities above.

The existing facilities with TSB Bank will continue as normal until further notice but members are asked to start using the account with Lloyds as soon as possible.

- Sir Antony Reardon Smith – Clerk Skinners' Hall, 8 Dowgate Hill, London EC4R 2SP Tel: 07985 619371 Email: clerk@fuellers.co.uk

Introducing our new Clerk

Sir Antony is to retire after a record innings of twelve years as Clerk, the search was on and a number of excellent candidates were interviewed.



Cdre Bill Walworth RFA (Rtd) CBE

Our new Clerk is Bill Walworth, whom some of you will know from his previous job as Head of the RFA, where he was a regular guest of the Fuellers and an Honorary Livervman. Bill went to sea as a cadet with BP Tanker in the late 60s, joining the RFA in 1979, where his career followed a path of sea and shore appointments. Promoted

to captain in 1994, his first command was RFA SIR GALAHAD on a UN deployment to Angola at the tail end of the civil war. He commanded RFAs operating around the world before returning to HQ in 2002 as Head of Operations. The next few years included a spell at sea in RFA FORT VICTORIA in the Middle East, before he was promoted to commodore in 2008 and became Head of Service, responsible for managing the RFA Fleet and its 2300 employees.

Bill lives with his wife Jane and puppy Rolo in a small cottage on the shore of Chichester harbour. He has a number of interests, including Rugby Union (he is the proud owner of a Fuellers XV tie), jazz, sailing and training the small but extremely energetic Rolo. Bill retains his connection in shipping as Chairman of the Maritime Skills Alliance and as one of the Elder Brethren of Trinity House. He is also a trustee of the Marine Society and Sea Cadets and a member of the Honourable Company of Master Mariners. Said Bill 'I always enjoy being with the Fuellers, have made lots of friends and been to some superb dinners. I've been involved in movement and planning of fuels in the civilian and defence worlds and it is a great honour to be selected to succeed Sir Antony Reardon Smith as Clerk. I look forward to meeting you all in the months to come'.

Bill joined us on 1st October and will assume command on Sir Antony's retirement in December.

Our energy future needs an honest debate

The past year has seen a lot of heated debate on the issue of affordability of energy and the investment required to successfully decarbonise the UK's energy generation while securing undisrupted and affordable supply. But, to build the consensus needed across society in order to solve this energy trilemma, every stakeholder involved in securing our energy future needs to engage in an honest and open debate alongside the UK's energy industry.

The costs associated with social and environmental policies and maintaining and reinforcing the energy infrastructure represent a significant cost that cannot be realistically reduced without undermining efforts to transform the energy system. This tension between the need for new investment and the continuing pressure for lower energy bills represents a challenge that will require continued concerted effort by Government, energy firms and consumers.

A look at last year's investment figures provides a good indication of the amount of investment that will be required in the future. In 2013 the energy sector invested over £13.1 billion in generation, transmission, distribution and supply, which represents around one-quarter of all new infrastructure investment across the UK in that year. That's the equivalent of £500 for every household in the UK.*

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Looking ahead, a survey of energy companies conducted by EY, shows a continuous willingness from energy firms to invest, but also a concern about the future path of energy policy. Many suppliers emphasised the need for a stable and transparent policy framework to encourage new investment in the future.

Both Government and consumers need to be fully on board if the UK is to meet its 2020 objectives and beyond. Government needs to deliver a transparent and stable policy framework and ensure that the most vulnerable members of society are protected. Consumers, to help see their bills minimised, have to both embrace more efficient ways of using energy and choose to engage with the market.

*Source: Powering the UK 2014, EY.





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- His experience covers assignments ranging from policy and strategic advisory work for the
- Government and investors, through a specific focus on nuclear generation, to previous responsibility for the audit of the UK's electricity trading arrangements.
 - Tony is a chartered accountant with 30 years' experience in the professional services environment.

The Industry Group

The present focus for the Industry Group is twofold – not only to lead and manage the Fuellers' Conversations but also to continue to develop the other areas of industrial contacts for the Company. On the Conversations, two terrific events were held over the summer. The first with Robert Davies, CEO of Areva UK, and the second with Neil Robertson, CEO of Energy and Utility Skills.

Robert set out how he thought the debate on so called 'new nuclear' would evolve over time and in particular drew a clear distinction as to what he saw as the strong acceptance within the UK



It was a very neat dovetail into the work of the Industry Group

> in general as Neil explained how the energy sector was seen by the UK Government as one of the 3 top priority industries in its Industrial Growth Strategy. It believes that the UK energy industry and the people employed within it are a fundamentally sound and strong offering to be made to the world as a

whole for the solving of specific issues, sharing knowledge and experience, and assisting other countries address and solve their energy needs. The emphasis we give to the training and development of staff and the public as a whole to energy challenges we face is a real 'door opener' for the UK export agenda.

Not only does this encourage the Industry Group to continue to



22nd May Conversation - Robert Davies

develop its work with Neil and the Energy and Efficiency Industrial Partnership of which the Fuellers' is a founder member but also it has prompted the Group to start to give consideration as to how the Fuellers' can further develop its links into the Westminster political machine to influence this growth agenda.

- Past Master Paul Cuttill OBE



ENERGY & UTILITY SKILLS ATTRACT > DEVELOP > ASSURE

Fuellers' Conversations are facilitated by EY. Energy & Utility Skills and EY are corporate members of the Industry Group

The Fuellers CharitableTrust Fund

Platanos College

The College's Parade Day took place on 12th July with the Army Cadets, Girl Guides, Scouts and St. John Ambulance Cadets on parade. It was attended by trustees Dennis Woods, Master, and Janet Harrison who were joined by Suzan Woods and Peter Harrison and the Hon. Secretary, Sir Antony. In addition to the thanks expressed on the day, the Hon. Secretary has received a letter from the College expressing the Governors'



The Hon. Sec. congratulating a scou

A week on Kilimanjaro for JDRF

Kilimanjaro

The Trustees were pleased to support Court Assistant, and Founder Fueller, James Cripps in his Kilimanjaro Challenge on behalf of JDRF. James reported back:

I lost all feeling in my hands somewhere around 5,250 metres, then my breathing took a turn for the worse - the time had come to accept I was not going to reach the summit of Mount Kilimanjaro. So, what was I doing on this mountainside -with my 58-year-old body toned by 35 years as a City lawyer, the last 25 with Type 1 diabetes and diagnosed with atrial fibrillation two years ago?

Last year I became a director of JDRF- the UK charity that raises money to fund research to find a cure for Type 1. I also retired from the City and started a thesis (on fiduciary law) at Keble College, Oxford.

Early this year JDRF decided to endorse a trek - to put the largest ever number of persons with Type 1 diabetes on the summit of Mount Kilimanjaro and raise money for Type 1 research. My participation seemed a sensible way of combining my duties as a director with my return to student status - although many of my sponsors did question the use of 'sensible'



2nd July Conversation - Neil Robertson

of nuclear power, built upon the belief amongst the public that the operators and regulatory authorities when put together made for a 'safe pair of hands' in the management of such critical assets. He saw the risks as planning, regulation and waste, but felt these would be overcome and not only just by the EDF Hinckley Point C project but also those backed by Hitachi and Toshiba / GDF Suez.

and Headteacher's gratitude for the continued support provided by the Trust of Parade Day and the pupils. The letter thanks the Master and Sir Antony for presenting the prizes and the Master for delivering an engaging speech. Parents were extremely pleased to see an increased number of trophies and awards achieved by the army cadets, which were fully deserved as a result of their hard work throughout the academic year.

The Master making a presentation to one of the College's army cadets



First sight of the summit - on leaving the rain forest

The Fuellers Charitable Trust Fund (Cont...)

We numbered thirty-two: twenty with Type 1 (one from Canada, one from USA and the rest from the UK) and the rest supporters, the medical team and our professional chief guide.

I trained by walking Leda, our two-year old black labrador, for many hours over the Oxford plain. The trek was different. We started quite a bit higher than Ben Nevis... and we walked uphill...for six days - followed by an overnight assault on the summit...and a speedy descent.

The first five days were fun. The trekking was manageable, the weather glorious and the views enthralling. My only real problem was that the team talked as they walked. With Leda, I normally walk and think.

A day in rainforest was followed by three days trekking through streams and rocky mountain vegetation before a barren, if spectacular, moonscape - promptly followed by an hour of hail before we reached Kibo Hut, at 4,700 metres the last stop before the summit. By now trekking had become very hard work and the weather decidedly cold! Next day we had an 'acclimatisation' climb, to 5,000 metres, some rest - and then at 11pm we started the summit assault.

The good news is that 17 of 20 trekkers with Type 1 made the summit and the objective was achieved, albeit not by me - but this really was a case of "not the winning but the taking part". I saw the JDRF events team on the ground and learnt much from my fellow trekkers about some of the tough challenges Type I can involve.

So, many thanks to the Charitable Fund and many Fuellers for helping to raise over £150,000 for JDRF... but the real message is for anyone who is unlucky enough to be diagnosed with Type 1, or their parent or relation: diagnosis is a challenge - but not a barrier: you can do whatever you want, type 1 notwithstanding!

- Court Assistant James Cripps

If you would like any information about Type 1 diabetes and the work JDRF is undertaking to fund research for a cure (or simply want to make a donation) please visit our website https://www.jdrf.org.uk/.



Above the clouds at 3 700 metres



The group celebrating success

NEW LIVERYMAN ENROBED AT THE MID-SUMMER COURT

Philip Hurley, who was admitted as a Freeman at Cutlers' Hall in January, was enrobed into the Livery on 22nd June at Skinners' Hall.



Philip Hurley's enrobing with Beadle Colin Smith and the Clerk, Sir Antony

From the Affiliations

10 Squadron RAF - Rising to the Challenge

The spring and summer of 2014 have seen a frenetic period for the Voyager force and specifically for 10 squadron. With the sad retirement of the venerable TriStars of 216 Sqn. the Voyager force became the RAF's only Air to Air refuelling asset. As a result, in the space of a few short weeks, the Voyagers and crews of 10 and 101 Sqn were tasked to provide Quick Reaction alert AAR in the Falkland Islands and also over the United Kingdom providing fuel to our Typhoon fighter jets. They were also now the sole custodians of the air bridge into and out of Afghanistan. The rapid uptake in

operational tasking while still growing our overall crew numbers has demanded a great deal from my crews. They have stoically risen to the challenge but now. some 6



Voyager Refuels Hercules

months later, they are on the brink of witnessing the end of combat operations in Afghanistan. For some of the crews, this will mark the end of a 13 year association with the country; for others who have only known operations over Iraq and Afghanistan, it signals an exciting time where the rest of world will feature on the tasking list.

With the gradual drawdown we should really have expected the unexpected which arrived on a Friday afternoon with the Prime Minister announcing what the RAF would be providing in Northern Iraq. 12 hours after that announcement, members of my squadron had deployed and were carrying out AAR in support of that mission. Reflecting on that day now, while noting that the first RAF Voyager flight was only 18 months beforehand, I am extremely proud of the way the crews and also our industry partners in AirTanker Services all pulled together to get the aircraft away and delivering fuel in such a short timescale. It is also fair to say that any concerns about the PFI not being flexible or dynamic enough to meet Defence's needs were assuaged on that Friday night!

As the Squadron looks forwards to the end of operation HERRICK, we also have a fantastic opportunity to celebrate in

the form of the Squadron's 100th anniversary. Parades, pomp and ceremony will certainly feature but there will also be time to let down our hair and celebrate how far we have come in such a short time.

- Wing Commander Jamie Osborne

RFA Wave Knight and Wave Ruler - Summer Update

Wave Knight finally returned from her 16-month Caribbean deployment in April where she provided security and reassurance to the UK's Overseas Territories (Bermuda, Cayman Is, Antigua, British Virgin Islands, Montserrat and Anguilla) whilst also managing to bag a number of very significant [cocaine and marijuana] counter-narcotic busts. The pace of life has seen no easing through the summer period where she has been equally busy undertaking support to a number of UK national operations, a large antisubmarine exercise and helping UK and foreign warships undertake regeneration and work-up training. August saw her in Portland undergoing a maintenance period (described



by some as a mini-refit) before deploying in support of OP COUGAR – the Royal Navy's annual powerprojection deployment to the Middle East in support of Regional Partners and Allies.

Wave Ruler has been operating East of Suez throughout the year; from the North Arabian Gulf to East Africa supporting Coalition Forces in the region. Welcome port visits have included Dubai, Bahrain, Fujairah and Salalah. Currently Wave Ruler is bearing up under the peak summer temperatures in the Gulf with air temperatures in the mid 40s C and sea temperatures of 34 C. OP COUGAR comes our way at the end of September and we will remain with them in direct support.

- Captain Chris Clarke and Captain Robert Allan

The Master's May Weekend in Windlesham

FRIDAY 16TH

Our guide spoke with great knowledge of the history of Brooklands; the birthplace of British motor racing and aviation. Constructed in the early 20th century by Hugh Locke King, the site has so many notable "firsts", but it was particularly poignant to see the Dambusters Raid exhibits in the Wellington hangar on what transpired to be the 71st anniversary of the Raid. The party was free to wander around the numerous exhibits, and I can assure you the banking on the section of the race track that still remains was very steep!

From the first racing cars and bikes to supersonic aircraft, none would have gone anywhere without FUEL!

- Ct Assistant Chloë Andrews-Jones

There we could use our bows and arrows through the slits in the circular wall, such slits demanding extra accuracy by our foe. Alternatively, we could pour boiling oil over them at the Norman Gate. Our Wardens had promptly to clad themselves in armour and practice jousting in the Courtyard. We were then ordered to disperse. Our good Ladies ran off to witness the Changing of The Guard. Our Gentlemen were divided between the attractions of St. George's Chapel and "The Royal Oak", or a tavern of similar description. - Liveryman Rod Brown

The Royal Windsor Horse Show is a veritable smorgasbord of equine excellence matched by a very eclectic mix of show goers and outfits! Whether it was the Shetland Pony Grand National,

Eton Swan Sanctuary has one public open day a year, so we were fortunate. The sanctuary serves several purposes. As well as taking in injured swans and later releasing them, it takes in healthy swans which are caught and displaced prior to major sporting events such as the Henley Regatta and the Olympics. It also trains various agencies in how to handle swans, including firemen, police, the RSCPA, the Highways Agency, and railwaymen. Swans are injured or killed by vandals and by East Europeans who see them as a source of meat. They are also hurt by other swans, who "paddle" the loser of the battle under water so that its feathers become waterlogged. They can come into contact with oil

spills, which are easily cleaned with

SATURDAY AFTERNOON



Brooklands

SATURDAY MORNING

At Windsor Castle, our party hoped that Her Majesty might select two of our companions, for appointment to The Order of The Garter. Unfortunately, our Gracious Lady was having her morning tea; Yeoman Philip advised that, since none of us wore the proper stockings, the if the Hungarian back up team on their use of The Garter was inappropriate. Philip then advised that, had we to protect our Queen, of necessity we would have to climb the circular stairs within the Tower.



the Pony Club Mounted Games or the multiple Carriage Driving events, there is definitely something for everyone to enjoy. We were also struck by the International flavour of the event. Many competitors from overseas all supported vociferously by their entourages, even bikes thought they were still Magyars on the Steppes! We were first time attendees and would go again for sure.

- Past Master Paul Cuttill OBE

detergent, and they are attacked by mink, which leads to severe neck injuries. They may become entangled in fishing lines, or swallow fishing hooks; they can also still suffer from lead poisoning due to illegal weights being used - this takes three months to recover from.

The six mink-proof pens, containing only swans (ducks have nasty diseases, we learnt), were arranged in order of least- to most-injured, with the

more poorly swans easier to monitor. Swans are released close to where they were captured, except for those injured by other swans. A more unusual pen contained a peacock, and a small flock of geese.

As well as mink-proof pens, the swans were also protected by a mink trapping programme on the site, the trapped mink being killed as vermin,

A few of the party went on to visit the



The Savill Garden



The Yeomen's barbecue

Eton College Natural History museum on the same road, and the Eton College Chapel annual flower show, both of which were free of charge.

- Liveryman Paul Mott

SUNDAY

..... and so to Sunday and another gloriously warm day under a cobalt blue sky and a short drive to the part of Windsor Great Park that is now The Savill Garden. With last instructions,

The Master's weekend drew to a close after a number of impressive visits with the finale at the impressive Birch Hall, where the Master is alleged to spend some time when not visiting the South Pole or Sky Diving in Dubai. A beautiful Queen Anne Country Mansion originally built in 1750 and refurbished by Dennis and Suzan in 1999 following their purchase of the property from HM The Queen (who planned it for

Mistress Fueller left us to enjoy our walkabout. Established under the reign of George V, the transformation of some 35 acres by Eric Savill and his team of intrepid gardeners is impressive and not only a feast of colour and scents to delight the senses but also a haven of tranquillity. We followed the meandering footpaths from one delight to another, from the numerous hybrid rhododendrons through the Azalea Walks to the Summer Gardens, the Spring Wood to the Summer Wood and through the Glades to the Autumn Wood and then through the Hidden Gardens to the Rose Garden and Herbaceous Border. A year in a day and a note to come back in the Autumn.....!

- Junior Warden John Ingham

her former daughter in law Sarah Ferguson). It is surrounded by some 7 acres of well-kept parkland. We were greeted with a cool reviving glass of Pimm's with a chance to chat and take in all the eve could behold from the house and grounds. Yeomen Tim and Richard were already hard at work at the barbecues, which was hot work on the marvellously sunny day, with the Mistress Fueller raiding her collection of hats to protect the fair skinned amongst their guests. Yeoman Tim briefly proposed his father's health on his 61st Birthday to which the Master replied equally briefly and we all raised our glasses to wish him 'Long Life and Continued Happiness'. It must have been around 5.00 pm

when the Fuellers reluctantly decided it was time to end what had been a fantastic weekend for those lucky



At Home with the Master and Mistress Fueller at Birch Hall

enough to have been able to attend all or part of the Master's birthday celebrations.

- Past Master Edward Wilkinson CBE

I am extremely grateful to the contributors to this compilation of reports on what was clearly a lovely and very well organised weekend.

- John Bainbridge

Gunfleet Sands Offshore Windfarm

What a wonderful day we chose to travel out to visit DONG Energy's impressive 172MW offshore wind farm located off the coast of Brightlingsea in Essex.

The sun was shining, the sea was calm and the Master and his crew keen to get out to the wind farm and learn all about the technicalities associated with the production of clean, low carbon electricity.

Having been through our site introduction and associated safety briefing. we kitted up and set off for the 35minute journey out to sea. All smartly turned out and ship shape!

The site comprises 48x3.6MW turbines and two 6 MW direct drive turbines (the first in the world) spread over a 17.5sq km site. Each turbine is 129metres high, individual blades a massive 52metres long, weighing in at 426tonnes each, excluding foundations. The turbines below are positioned with a spacing of 435metresx890metres. Total annual output is expected to be around 570GWh.

An offshore substation was erected to collect and transform the 33kV output to 132kV and also transport the electricity onshore via 8.5km of subsea cable. DONG Energy is proud of the fact that locally recruited staff is employed within the Brightlingsea operations base. We certainly benefitted from their expert advice and local knowledge. Huge thanks to all involved who took the time to look after us.

Once again the Fuellers ensured that a great and informative day was enjoyed by all. We got to see the site up close, we learned some interesting facts and we enjoyed some great company along the way.





The group at Gunfleet Sands



The offshore substation



Turbines at the DONG Energy wind farm

Fuellers go 'North of the Border'

Three weeks before the momentous independence vote, Fuellers visited Scotland's Longannet coal fired power station and Her Majesty's Naval Base Clyde, commonly known throughout the Navy as Faslane, the MOD's most complex naval operational and nuclear base.

Upon arrival at Faslane, we received a warm welcome as we ran through security before a Base Overview briefing by Commodore Keith Beckett CBE ADC. A characteristically efficient itinerary had us waterborne on the Clyde to view a nuclear submarine at a berth. We cannot reveal which class of vessel we saw however much more was apparent when we were ushered into the unique and vast Shiplift to see another nuclear submarine in the midst of a scheduled refit. Only the opportunity to see these huge discreet but ominous vessels in dry dock can reveal their great size which the ice burg effect conceals when afloat.



The Master, Fuellers and guests with Commodore Keith Beckett CBE ADC at HMNB Clyde. In the background is the large Shiplift building which houses the submarines in dry dock for servicing and repair.

We also saw a new floating jetty that can accommodate 6 submarines.

conventionally-armed (Astute, or the older Trafalgar) nuclear The station comprises 4no. 600MWe generating units, three of which are equipped with sea water Flue Gas Another part of the tour included a brief on mines and IED's Desulphurisation to facilitate the use of the relatively from the Northern Diving Group with a breath taking (forgive higher sulphur coals from Scotland hence the fourth the pun) introduction to the kit naval divers wear including a unit can only use lower sulphur coals which are primarily helmet which weighed 18 kilos and was hard for any one of us imported and mainly from Russia. Whilst this is essentially to lift let alone contemplate wearing. No weight belts needed. a coal-fired station it also uses natural gas and has co-Lunch hosted by the Commodore and fellow officers in fired biomass fuels from various sources including from the Ward Room together with a concluding brief allowed local municipal waste, peanut husks from Georgia and time for questions which were answered honestly. It was then wood pellets from the Baltic. that we heard the UK readiness status had that day gone up Such is a flavour of the international input into power to 'Severe'. More news awaited us on TV when we reached generation today. home. It made us very aware of the key defence that our submariners' are providing in intelligence and surveillance in - Suzan Woods addition to protection and defence.

An excellent and revealing visit to Longannet the previous day had provided an appropriate background as both operations face very different but, in their way, equally challenging operating circumstances.

Longannet, Europe's third largest and Britain's secondnewest, coal-fired power station, is owned by Iberdrola, a Spanish company which took over Scottish Power eight years ago. We were warmly welcomed by senior site management and briefed on today's challenge to run power generation plants in the face of increasing environmental, health and safety pressures. The visit was set up by Junior Warden John Ingham who works in the verification of GHG Emissions.

The station has an impressively long turbine hall housing a line 8 separate turbine/alternator generating sets (the largest number of alternators at any British power

station, in the history of the industry).

Longannet. To the right, the Master and Liveryman Paul Mott watch 2 men carry out a quantity inspection as they walk on the stock pile of imported low sulphur coal measuring with a GPS device signalling to a satellite. Left are Richard Steventon Environmental Advisor, and Tony Corless, Divisional Chemist

The Master's Review

I write this unbelieving that our wonderful year will soon be over having attended 211 Livery functions.

The second half began with another very impressive dinner at Mansion House when I was invited by The Lord Mayor to the City University Chancellor's Dinner. Suzan joined Mistress Fan Maker at their Museum in Greenwich followed by a fashion show at The Old Bailey.

We attended the McLaren Technology Centre with a group of Fuellers and concluded the month



May: Liveries Day on RFA Lyme Bay

with the wonderful news that we had become grandparents for the first time to Mylo, son of our son Yeoman Richard Woods and his wife Cara.

On a very wet day Fuellers joined other Livery Companies at RFA Lyme Bay in Portsmouth. We were mightily impressed by the size and capabilities that the RFA now has at its disposal and were delighted to meet the Captain of RFA Wave Knight, one of our two affiliated ships, which had just returned from 2 years in the Caribbean catching drug smugglers and helping in disaster areas following hurricanes.

Early the next morning, our Clerk and I spent a very chilly couple of hours collecting for The Red Cross on London Bridge. May continued

with St Bart's View Day held at the most wonderful church tucked away behind the Hospital. Visiting these fascinating buildings has been a major highlight of our year. Having spent time in both St Paul's Cathedral and the Priory Church of St Bart's the Great in one week, we did't feel too bad letting our hair down at the Tobacco Pipe Makers' Cuban Evening where there were cigars being rolled, lots of rum punches and a Cuban Band that we danced to at the end of the evening.



June: The Buckingham Palace Garden Party

One day to recover and then straight into our Master's Weekend. It was our pleasure to welcome so many to our home on the most beautiful day you can imagine. Suzan very nearly ran out of hats to lend to the ladies to protect against the sunshine as we enjoyed the Yeomen's BBQ. It was also my birthday and the group surprised us with a selection of rose bushes and a magnolia bought during the morning visit to The Savill Garden.

June saw an invitation from Her Majesty to attend a Buckingham Palace Garden Party. We lunched first with other Masters and Mistresses at the Goring Hotel. All a wonderful experience despite the rain which left many of us soaked to the skin.

June continued with a party on a Thames boat as guests of Master and Mistress Plumber; our Partners' Court Dinner at Skinners' Hall where we hosted an operatic soirée; a private lunch we hosted at Skinners' for the Masters, Wardens and Clerks of The Fuellers and Watermen & Lightermen; a Fuellers visit to Royal Ascot with lunch and tea at the Master's home: a custodial sentence in the Tower of London - having been arrested in Mansion House and marched there in full robes (I am grateful to Fuellers



June: Jailed & Bailed at The Tower

who paid for my release - proceeds go to The Red Cross and our Charitable Trust); Common Hall to elect our Sheriffs for next year - followed by a curry lunch on HQS Wellington; concluding with a Drumhead Service at The Royal Hospital Chelsea with Her Majesty The Queen and His Royal Highness Prince Philip commemorating the London Forces who fell in the First World War. Unfortunately another very wet event. It seems whenever Her Majesty has been with us this year it has rained.

July started with a bang when Suzan and I had a backstage tour of the National Theatre followed by one of our Charitable Trust Meetings and then in the evening another of our

very successful Fuellers Conversations at EY. I cannot recommend these Conversations enough and would encourage all Fuellers to attend and to bring guests. They are educational and thought provoking.

22 Fuellers went to the 175th Henley Royal Regatta as guests of Leander Club members Liverymen Michael Shirley and Matthew Gordon. It was a lovely sunny day and we were treated to a guide of the magnificent Trophy collection and a river trip on Matthew's launch from which we had fine views of the crowds on the bank and saw the crews racing first hand. Suzan and I, Jan and Peter Harrison, and our Clerk attended Platanos College's





July: Juggling glasses at the Distillers tasting whilst talking to Master Fan Maker Douglas Glasby



September: Presentation to Roger Cloke before the Twickenham double-header to thank him for all the work he does in organising the Fuellers XV Club

Parade Day. The Army Cadets (which the Fuellers helped to form) along with the Scouts, Guides and St Johns groups were well represented. The quality of their drill skills had also vastly improved since last year.

July: At the Cart Marking July continued with a jolly day on the river organised by Liveryman Paul Mott to follow the Swan Upping; the same week Suzan and I were guests of Norman Grundon at the Carmen's Cart Marking in Guildhall Yard. Suzan organised a lunch for fellow Mistresses and was supported in hosting the event at Skinners' by Joy Chamberlain, Elinor Goldsmith, Clare Cuttill, Jan Harrison and Chloë Andrew-Jones. I was lucky enough to be invited as Master and had the pleasure of sitting next to Lady Judge who spoke along with Nicholas Woolf the Lord Mayor's Consort. Lady Judge was so impressed with The Fuellers she has now applied to join the Company and will be installed as a Freeman in January 2015.



September: Abseiling in support of The Lord Mayor's



The last week was full on - Sunday at The Weald and Downland Open Air Museum as guests of The Plumbers; Monday as part of the Fuellers Team in The Lord Mayor's Golf Day at Hadley Heath; Tuesday joining ten Fuellers at an offshore wind farm. What a fascinating trip; thank you to Liveryman Mike Hogg MD of Dong Energy.

August – Fuellers' Past Masters invited us to lunch at The Farmers Club and we took Fuellers to Scotland. Junior Warden John Ingham arranged a visit to Longannet Coal-Fired Power Station and we stayed at the excellent Airth Castle Hotel. I worked hard with Commodore David Elford over many



July: Swan Upping with Freeman Stephen Lloyd, Liveryman Paul Mott and boat owner Steve

months to bring off the very successful trip to HMS Clyde at Faslane nuclear submarine base.

I have just abseiled down Lloyds of London which was also undertaken by the Lord Mayor and Sheriff Adrian Waddingham raising over £ 80,000 for The Lord Mayors Appeal to which, your generosity helped me raise over £3,000.

I will conclude by saying we have been extremely proud to represent The Fuellers and believe we have helped to raise the profile of the Company and our members throughout our year. Suzan and I would like to give Neville and Joy all the very best wishes.

- Master Dennis Woods

Still taking an Interest in Energy

Roderick Braithwaite's collective memoir "Leadership in Energy" on the life and work of Lord Ezra of Horsham was launched in the splendour of Drapers' Hall as a precursor to the 10th in the annual series of Fuellers' Lectures inaugurated by his Lordship.

Following an introduction by Master Fueller Dennis Woods, Lord Ezra thanked Past Masters Edward Wilkinson, Michael Bryer Ash, Paul Glover, David Port and John Bainbridge and the many friends that had contributed to the work. He admitted that he had dithered when the idea was put to him but was particularly indebted to Dr Paul Glover for starting it and Roderick Braithwaite for finishing it.

Lord Ezra spoke in front of a large screen displaying changing images of people and events from the memoir and his experience since joining the National Coal Board in 1947. Amongst others, he praised the Founder Master Charles Stephenson Clarke and described his predecessor as Chairman of the NCB, Lord Robens, as an outstanding orator who once spoke passionately and wittily on domestic boilers. He then spoke about the Prime Ministers with whom he had worked as Chairman of the NCB. Wilson was the easiest, quietly smoking his pipe, and Callaghan similar. He recalled meeting MacMillan in his "anecdotage" and seeing Churchill at the National Liberal Club, where he had said he was "glad to be among friends". Lady Thatcher "expressed herself very firmly", and Heath was "another remarkable man who rose to the top in a number of fields". He also spoke of Sir Campbell Adamson, Director-General of the BI, and Len Murray, Secretary General of the TUC during the winter of discontent, and of how history might have been different had not the March 1974 election been called.



Lord Ezra and the Master



The author, strategically placed

He moved on to energy security and particularly the importing of more than 50% of our gas needs. Problems in the Middle East create a risk for the winter. More gas storage was needed and the energy companies should be persuaded to bring back mothballed assets.

His Lordship said that he still attends the House of Lords "to show he still takes an interest". At the end of his speech he presented the Company with a Medal struck to commemorate the opening of the New Coal Exchange in 1849, which is the subject of an article in this issue of The Fueller. The Master thanked Lord Ezra for a fascinating address and then presented him with Honorary Livery of the Company, recognising his greatly significant contribution to the Fuellers.



Past Master Dr Paul Glover addressing the audience



Lord Ezra with Past Masters Glover and Bryer Ash seated and Past Masters Bainbridge, Wilkinson and Port standing with the Master

Dr Paul Glover thanked the sponsors of the evening for inviting so many of Lord Ezra's friends. The book was a joint effort by a number of Past Masters without whom it would have been impossible, but he paid particular tribute to Roderick Braithwaite for drawing together disparate views. He also thanked the Coal Meters Committee for their invaluable contribution.

He spoke most warmly of working for Lord Ezra for 15 years. One of Lord Ezra's greatest qualities was a true sense of direction - and he had needed it. The key to his success was his ability with people. The Memoir is the Fuellers' salute to him.

- Past Master John Bainbridge

The memoir is available through the Fuellers' Shop or from the author. Tel: 01787 237946.

The Energy Lecture

The splendid Drapers' Hall once again witnessed the gathering of Fuellers, other Masters and Guests for the 10th Annual Fuellers' Energy Lecture inaugurated by Lord Ezra. Some 180 were addressed by David Gray, Chairman of the Gas and Electricity Markets Authority (OFGEM) on the subject of 'Protecting the Interest of Energy Consumers in a Changing World'.

David explained that it has been a very hectic period since his appointment in October 2013 and that the industry, energy companies and OFGEM had been the subject of intense scrutiny. He felt that the debate was healthy.

The accusation was that the collective of companies and regulator had failed to prevent prices going up, become more intrusive into an industry that

was working well up until 2008 and that in some way the regulation was always either too little or too much. David countered by explaining that the price of gas had been falling continuously



Sponsor Liveryman Neil Upton with the Master and Speaker David Gray

between the years 1990 and 2004 whereas since then it has been increasing. As such there was a degree of inevitability that this would reflect into prices to the consumer. Nonetheless, at privatisation energy costs made up on average 6% of consumer budgets. This had fallen to c.3% in 2004 but even now after upward input cost movement stood at 4.7% i.e. still below that seen before privatisation.

On customer service David conceded that there had been failures to meet customer expectations and whilst this had improved it was still not sufficient and did not come quickly enough to offset the issue of price. David suggested that customer tolerance on price may have been higher if the service had been better.

David also felt that the charge that OFEGM had in some way 'sat on its hands' was not true. He drew attention to the new system of regulation for distribution companies, the work on lowering transmission charges, the competitive tendering of interconnectors and the retail market reform in which higher standards of conduct amongst retail companies was now required.

At the same time the collective had had to contend with tightening capacity margins and issues of gas storage and the suggestion that the retail market was more oligopolistic than it should be. On the latter, David said that to have 6 major suppliers was not unusual but what was out of step was the low % of market share held by those other than the 'Big Six'.

KING&WOD MALLESONS

SJ BERWIN

There remained the issue of tariff complexity, and the need to balance demand and supply remained an ever present challenge especially given the difficulties as to choices of generation. All of this work has to be framed by sound market rules and network codes so as to ensure compliance with both national and EU law.

In seeking to address the issues of security, cost and environmental impact there had rightly been the desire to seek innovative solutions such as smart meters / grids and markets. David did however caution that once again whilst such 'smartness' would bring about benefits it will introduce more complexity in information and products.

Summing up, David explained that a good number of detailed



David Gray in flow



The Master and David Gray with presentations

challenges remain and for this reason OFGEM had concluded that a reference of the industry to the Competition and Markets Authority was now a sound and logical move so that the many issues around how the UK energy industry can deliver its product and serve its customers going forward into the coming decades can be aired and addressed. He believed that this

referral was the best way to get simple, certain and transparent solutions that can give all parties including UK Government confidence that the industry has the best structure to protect customers and encourage investors to commit the many billions of pounds required to see the industry equipped for the 21st century.

There then followed a lively Q & A session and the debate then continued over drinks and canapés.

It is right and proper to record here the sincere gratitude of the Fuellers' Company to Lord Ezra for his continuing support of the Annual Lecture and also King & Wood Mallesons for their generous sponsorship of the event organised and promoted by Liveryman Neil Upton.

- Past Master Paul Cuttill OBE

The Fuellers Golf Day played at Windlesham GC

On a wonderful early Autumn Day with clear skies and a blissful temperature of 72 F, 27 golfers foregathered at Windlesham to enjoy an excellent golf day.

This year we attracted teams from The Gardeners Company (one of the Great Twelve), The Horners Company and the Oil Industries Club together with many Fuellers and friends.

As ever the club provided refreshments on arrival and the first group tee off at noon. Due to the excellent condition of the course many played very well scoring over 30 points. Dinner was also delightful; the club has a new chef who excelled in preparing scallops, roast lamb, and apple crumble which was greatly enjoyed by everyone.

Six ladies played and the Best Lady prize was won by Gardener Sally McFadvn.

The Master had great delight in presenting the prizes and he won the Longest Drive which was the cause for much humour and merriment

Most notably, IPM Paul Cuttill won the Best Fueller in Competition prize with 35 points. The best Fuellers Team was led by Junior Warden John Ingham whilst the best overall team in Competition was won by Ex Pex which comprised oil industry friends of the Master.

I would like to thank everyone who has supported the event this year. Windlesham GC demonstrated great support for our event and we have booked to play there again on Tuesday 8th September 2015.

All Fuellers are welcome to play and we look forward to seeing you on the tee next September!

Court Assistant Michael Shirley Golf Organiser



The Master with Fuellers Team 4: John Ingham, David Ingham and



Ex Pex: Murdoch Currie, Ron Haacke and Philip Pameley

Prizewinners 2014		
Best player in Competition and Winner of the Fuellers Cup	David Kinder	Fuellers Team 4
Lady Winner	Sally McFadyn	Gardeners Team
Best Fueller	Paul Cuttill	Fuellers Team 2
Best team and winners of the Fuellers Trophy	Ex Pex	Murdoch Currie Ron Haacke Philip Pamely
Best Fuellers Team	Fuellers Team 4	John Ingham David Ingham David Kinder
Longest Drive	Dennis Woods	Fuellers Team 2
Nearest the Pin	Donald Reed	Oil Industries Club

The Company's possessions no. 5

On the occasion of the launch of his memoir "Leadership in Energy" at Drapers' Hall, Honorary Liveryman Lord Ezra presented to the Company a cased medal, cast in bronze by Benjamin Wyon.

The medal commemorates the opening of the New Coal Exchange on October 30th 1849, on behalf of Her Majesty Queen Victoria, by His Royal Highness Prince Albert. On the obverse are four roundels containing cameos of Oueen Victoria, Prince Albert, the Prince of Wales and the Princess Royal. On the reverse is an interior view of the coal exchange with the city coat of arms and the text "The Rt. Honble Sir James Duke Lord Mayor -John Wood Esqre chairman of the committee - James B. Bunning Esqre architect".

This medal of the New Coal Exchange is said to be the finest architectural medal in the City of London series and is generally considered to be Benjamin Wyon's masterpiece. It was also the largest medal struck in Britain.

The building provided a place of business where the buyers and sellers of coal were able to exchange contracts and its interior was particularly important: it was one of the earliest and most remarkable examples of cast-iron construction in the world, several years before the Crystal Palace, and comparable in date with Labrouste's libraries in Paris. The entire inner skeleton of the Exchange had an integral system of decoration, largely based on the rope motif symbolic of the coal-miners and colliers. This motif was used by Wyon on both the obverse and reverse of his medal. There were three storeys of richly-ornamented cast-iron galleries in an extraordinary domed rotunda, decorated with images illustrating coal's geological, social and economic significance.

Being made of cast-iron, the Exchange was eminently suited to dismantling and re-erection elsewhere. Dismantling and storage would have cost £20,000, but the City of London gave the Victorian Society just three and a half weeks to raise the sum. Even if demolition were necessary, why such unseemly haste? At the time, it was acknowledged that the road widening for which the Coal Exchange was condemned could not start until 1972 at the earliest, and in the end the site was still empty in 1980. The building was demolished in 1962.

- Past Master John Bainbridge



The New Coal Exchange Medal



The elaborate interior of the New Coal Exchange

FORTHCOMING EVENTS

Full details and timings of events are circulated by the Clerk and available on the website. Your attention is drawn in particular to the following:

Tuesday 28th October The 9th Fuellers' Conversation

Sunday 2nd November Fuellers' Sunday – Southwark Cathedral Luncheon – a Borough Market restaurant

Saturday 8th November The Lord Mayor's Show - St Paul's Grandstand Luncheon – Stationers' Hall Supper – Brasserie Blanc - South Bank

> Monday 10th November The Lord Mayor's Banquet

Wednesday 19th November

Festival of St Cecilia – Westminster Cathedral Luncheon – Bank Restaurant, Buckingham Gate

Monday 8th December Fuellers' Carol service – St James Garlickhythe Supper – Old Dr Butler's Head

Thursday 11th December Fuellers' XV - The Varsity Match – RFU Twickenham Wednesday 7th January Livery Buffet - Old Dr Butler's Head

Saturday 10th January Fuellers' 14th Game Day – Lavenham

Wednesday 28th January New Year Court & Dinner – HQS Wellington

Tuesday 17th February Poulters' 12th Pancake Day Races – Guildhall Yard

Friday 20th March United Guilds' Service – St Paul's Cathedral Luncheon – tba

Wednesday 22nd April Election Court & Luncheon – Stationers' Hall Annual Service – St Faith's Chapel, St Paul's

> Friday 15th – Sunday 17th May The Master's Weekend – Chester

Wednesday 17th June Mid Summer Court & Ladies Dinner – Skinners' Hall

The Fuellers' Shop



Please send your order, together with a cheque for the correct amount made out to The Worshipful Company of Fuellers, to Court Assistant Jane Ayre, 68 Portway, Baughurst, Tadley, Hampshire, RG26 5PE The Company has the following items for sale – the prices are inclusive of post & packing and VAT.

"Leadership in Energy" – the life and work of Lord Ezra of Horsham (Special price) £27.50

Woven silk striped tie	£21.00
Blue or Green Silk Tie	£21.00
Pink Silk Tie (Fuellers' XV Club)	£21.00
Gentleman's Cufflinks	£30.00
Gentleman's Lapel Badge	£10.00
Golf Umbrella	£23.00
Baseball Cap	£14.00
Ladies Bar Brooch	£10.00
Ladies Silk Neck Scarf	£21.00
Fine China Coffee Mug with Company Crest	£9.00
Wall Plaque	£37.50
The Fueller's Tale, the History of the Fuellers	£27.50
Bronze Desk Crest	£155.00*

*£140.00 if collected from New Pro Foundries, West Drayton.