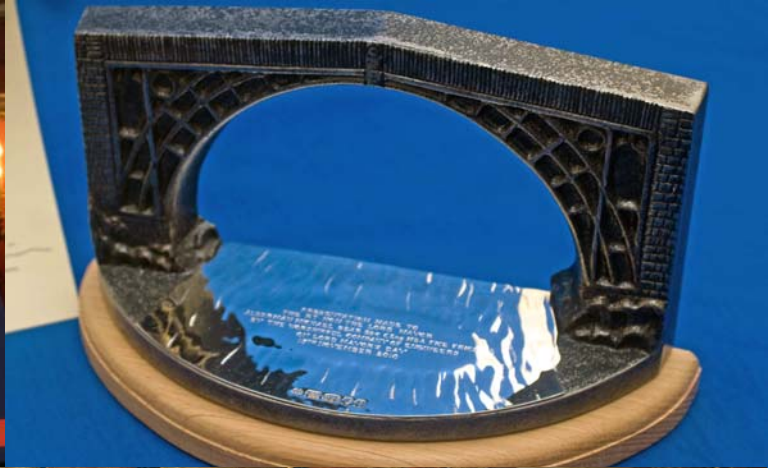


The Worshipful Company of Engineers

(Incorporated by Royal Charter 2004)

The Swordsman Newsletter

Issue 26, May 2011



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COVER PHOTOGRAPHS

Top Left	The Master, John Banyard presenting the Immediate Past Master with his certificate of office and past Master’s Badge
Top Right	One of the Cast Iron and Silver Book Ends of the Iron Bridge Presented to Alderman and Assistant Michael Bear on being installed as Lord Mayor of the City 2011-12
Centre	The Master, Wardens, Clerk and Chaplain with their ladies and the Principal Guest at the Installation Dinner.
Bottom	The Master and Wardens for 2011-12 with the Clerk and Chaplain after Installation

FUTURE EVENTS

15th June 2011	Warden’s Lecture and Luncheon	BP Headquarters
24th June 2011	Election of Sheriffs	Guildhall
1st July 2011	Backstage Tour and Theatre Visit	Stratford Upon Avon
12th July 2011	Awards Dinner	Plasterers’ Hall
26th July 2011	Golf Championship	Beaconsfield
22nd to 25th September 2011	Out of Town Meeting	Edinburgh
3rd October 2011	Election of Lord Mayor	Guildhall
5th October 2011	Ladies Luncheon	Founders’ Hall
12th October 2011	Visit to DCEME, HMS Sultan	Gosport
17th October 2011	Lord Mayor’s Appeal Concert	Royal Festival Hall
28th October 2011	Annual Banquet	The Mansion House
12th November 2011	Lord Mayor’s Show	City Of London
14th December 2011	Carol Service and Dinner	Tower of London

EDITORIAL

Thank you to John and Doreen Robinson for their year as Master and Mistress of the Company. Like the others before them they have entered into the spirit of the Company taken its development forward, as you can see from the Annual Report included later, and given us all a most enjoyable year. We now look forward to the year with John and Judith Banyard and wish them every success and happiness. As you will see from the programme for part of the Master’s year above there is plenty for us to enjoy.

I had two letters following the last edition, the first pointing out that my caption of the aeroplane in the photograph on the back page of the last edition should have read Valiant rather than Meteor. The second suggested that the Humber Bridge is rather more than a ‘very simple design concept’ as was reported. In fact the design of the deck structure represents one of the most complex and important developments in the design and construction of long span bridges – namely the aerodynamic torsionally stiff steel box section. This was first developed for the Severn Bridge crossing by Sir Gilbert Roberts and Dr Bill Brown and the design and construction of the Humber Bridge followed shortly afterwards under the direction of Bernard Wex. The design provided a light, stable and extraordinarily shallow deck section of remarkable elegance which proved highly economical to fabricate and erect. Gilbert Roberts was knighted and the very first MacRobert Award was given to Freeman Fox and Partners for their outstanding achievement.

As always I would like to thank the willing reporters of the Company’s Events who make my job much easier and I hope that you enjoy reading this edition. If I have not asked you to report yet and you would like to contribute please do let me know. Letters and original articles from Liverymen are always welcome. My email address is below.

Raymond Cousins Cyril.blumfield@btinternet.com

INSTALLATION OF THE LORD MAYOR AND LORD MAYOR'S SHOW DAY 12th and 13th November 2010

Court Assistant Alderman Michael Bear was elected as Lord Mayor of the City of London on 29th September. From then onward he could legitimately be called the Lord Mayor elect rather than just the Senior Alderman below the Chair and the final preparations for his Installation at the Silent Ceremony on 12th November and the Lord Mayor's Show on 13th November could take place. The Company Officers and many Liverymen were involved in various activities during the two days and there follow a number of reports on the highlights.

Raymond Cousins

The Silent Ceremony

The admission of Alderman Michael Bear to office took place on Friday 12th November 2010 on the day before the Lord Mayor's Show. The ceremony, held in Guildhall, was witnessed by many including our Wardens, The Clerk and two Past Masters with The Master in a participating role to welcome the new Lord Mayor. The event is known as 'The Silent Ceremony' because, apart from a short declaration by the Lord Mayor Elect, no other words are spoken. This lack of oral theatre is more than compensated by a long ritual of movements with 'advances and retirements each with 3 reverences' to the outgoing Lord Mayor and the incoming Lord Mayor by a sequence of civic officials to bring, transfer and return appropriately the City insignia. These items of office included: The Sword; The Mace; The Collar of SSs and Badge; a velvet cushion with the Sceptre, the Seal and the Purse; the Indenture for the City Plate; the Indenture to be signed for appointment as the Deputy City Gauger. Thereafter, The Aldermen, Recorder, Sheriffs, The Chief Commoner, and the members of the Lord Mayor and Sheriffs' Committee arose and, in rotation, advanced and congratulated the new Lord Mayor who left the Hall to a triumphant trumpet call. Overall, the ceremony took about 20 minutes in a dimmed Guildhall setting giving a mystical touch to the start of a hectic year's activity to our distinguished Court Assistant - now 'My Lord Mayor'.

Graham Skinner

Presentation of Addresses

Saturday 13th November started early in the office at 7.45am with a temporary photographic studio being set

up to capture images of the Company's gift to the Lord Mayor: a pair of bookends in the form of the Iron Bridge, cast by the Ironbridge Gorge Museum Trust in their foundry at Blists Hill Victorian Town, embellished with hand-chased silver rivers by T A Henn & Son Ltd (Wolverhampton – but carrying a London hallmark), mounted on bases of English Oak and protected by blue velvet bags embroidered with the Iron Bridge logo.



The Company's Gift to the Lord Mayor

The presentation team of The Master, Senior and Middle Wardens and The Clerk, accompanied by Doreen Robinson and Gillian Scahill, assembled in the Guildhall Art Gallery at 8.15am for the Remembrancer's rehearsal. As the ceremony proper began, The Master took his place with other members of the Lord Mayor and Sheriffs' Committee, all carrying a wand of office, seated behind other City Officers, the Sheriffs and the Mayoral throne. Presenting fourth out of some twenty parties representing Livery Companies and other organisations with City links to the Lord Mayor and Sheriffs, The Master came forward to make a short address as Alderman Bear received each bookend from a Warden in turn, noting with a smile their significant weight. Afterwards, all retired to the Old Library for a splendid breakfast buffet and a performance by visiting Zulu Warriors.

Tony Willenbruch

The Procession

My wife, Elizabeth, and I arrived at St Paul's underground station relieved that after the torrential rain on Friday, the day was dry. We made our way to Wax Chandlers' Hall just in time to see the Master and Clerk set off to join the Lord Mayor at The Guildhall.

The head of the procession was drawn up in front of us in Gresham Street so we were able to admire the Band and Troopers of the Household Cavalry (mounted) in their magnificent uniforms with breastplates and

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helmets shining in the intermittent morning sunshine. The band moved off and shortly after eleven o'clock the procession itself began to parade past us. We were in an ideal position to admire the eclectic mix ranging from military hardware to youngsters' steel bands, and steam road-rollers to carnival dancers. (We speculated that a few feathers make a costume more appropriate for a hot Mardi-Gras evening in Rio de Janeiro than a cold November morning in London!)



The Bear Necessities, Correctly Dressed for a cold November Day in London

Of course we anxiously awaited our first view of the RedR, our own charity, float whose arrival was heralded by the sight of a large inflated globe floating above the red tee shirts of the supporters.

Although Wax Chandlers' is a great place to watch the procession it is positioned before the Guildhall, where the Lord Mayor himself joins in, we were anxious to catch at least a glimpse of the new Lord Mayor, so we cut through to Cheapside to watch the procession again as it turned past the east end of St Paul's Cathedral, Elizabeth pausing to make a donation to a collector for The Lord Mayor's own charity, "Bear Necessities". Here the crowds were five or six deep and it was possible to see clearly only those floats high enough to extend above the heads of the crowd or to catch tantalising glimpses of the coaches and carriages between the spectators.

Eventually The Lord Mayor himself came past in the Lord Mayor's Coach, having its annual outing from the Museum of London. I raised my camera high above my head pointed it in the direction of the coach and pressed the shutter release, hoping that I would be

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able to provide Raymond with some sort of photograph for The Swordsman. (*He missed Ed*). Then we returned to the warmth of the Wax Chandlers' Hall delighted to discover that the Engineers were in charge of distributing the wine.

Norman Dawson

The RedR UK Float

After the Engineers' Company had funded the design and entry of RedR UK's float as the other chosen charity of the Lord Mayor's Appeal this year, it was good to be able to join them during the actual Show parade. So with the Junior Warden, Graham Skinner,



Graham Skinner and Keith Clarke leading the Way for the RedR UK Float

and Liveryman Keith Clarke holding the front banner and Liveryman John Hanford with Rita with the rear banner, the Engineers' Company sandwiched RedR UK's inflatable globe and their other volunteers, including some of our Liverymen's families, all dressed in red RedR tee-shirts and hard hats. The banner messages proclaimed that RedR UK was, 'giving communities the bear necessities of life after disaster' and placards identified the kind of skills and training needed to do so. As number 14 in the procession of over 144 different floats, the RedR UK one had a relatively early and smooth progression through enthusiastic crowds, with only an occasional heavy gust to make the banners and balloon tricky to handle. The walk seemed to go remarkably quickly and the good-will shown by everyone in the pavement crowd was uplifting – it was a marvellous way to see the Show and to know that, as their Livery Company Patrons, we are really in step and helping RedR UK on the ground during this great City of London occasion and for the coming mayoralty.

Graham Skinner

The Modern Liveries Float

Having earlier participated in the presentation of the gift to the Lord Mayor at the Guildhall, I was slightly behind the appointed hour when I met up with Liveryman Barry Gasper, who had volunteered to carry the Engineer's placard. Barry had already found the float, an open topped bus complete with Dixieland Jazz Band, and the first thing that struck us both was how friendly everyone was. There were Masters, Wardens, Clerks and Liverymen from each of the Modern Livery Companies, and we were soon engaged in conversation with Fire-fighters, Builders Merchants, Tobacco Pipe makers, Water Conservators et al. Eventually the time arrived for our turn (No 98) to move off, and we turned out of our assembly point in St Martin le Grand, and into Gresham St, almost immediately we were passing Wax Chandlers Hall, with a group of supporters headed by the Beadle, shouting encouragement, a little further along we encountered our Assistant Beadle and Photographer, and shortly afterwards Peter and Diana Blair Fish had found a vantage point.



Senior Warden John Banyard and Liveryman Barry Gasper walking with The Modern Companies

What was striking was the goodwill and support for all the Livery Companies that came from the crowd, and people that neither of us knew were shouting their support for the Engineers as well as other companies. As we approached the Guildhall the crowds became deeper, and by the time we reached Mansion House the pavements were packed. We continued along Cheapside, past the new shopping centre to St Pauls with more grandstands and more crowds, and so it continued as the procession made its way down Ludgate Hill to the Strand, and a lunch break.

The Master Mariners entertained us on their ship Wellington and provided a glass of wine as an aperitif to the packed lunches, and then all too soon it was time to return to the bus and make the return trip along the Embankment, into Queen Victoria Street and back past the Mansion House, the whole route again lined with enthusiastic crowds. Only when we returned along Gresham St did the crowds thin out, so arriving back at Wax Chandlers we were able to gather our thoughts, and agree that it really had been a most enjoyable day, and it was a privilege to be able take part in such a wonderful pageant.

John Banyard

The Carriage Procession



Doreen Robinson and Jenna Bould in their Carriage

After the presentations Doreen Robinson and Jenna Bould, the Master Chartered Surveyor's Lady, had to



move on swiftly as their carriage was nearer the front of the parade of floats. However, The Master and The Clerk had a rather more relaxed timetable, made even more so by departure of the Lord Mayor's Coach being later than planned. Overcast and cold but dry, the conditions were good for those

dressed in the many layers afforded by Morning Dress and Gown topped off with velvet Tudor Bonnets. Our

open landau, not from the Royal Mews but privately owned and shared with the Master Chartered Surveyor and his Clerk, took its place (113A) amongst the other Livery Company carriages in the latter stages of the parade and just a few before the State Coach. Both on



The Master Enjoying a Different Style of Transport

the way out and back, we were all impressed by the numbers in the crowds lining the streets – many people deep and rather more than we were all expecting. Unlike the processions for the State Opening of Parliament or visiting Heads of State, the crowds were often at little more than arm's length away, creating the feeling that everyone was playing a part in the celebration with those riding in the carriages no longer in imperial isolation nor those in the cheering crowds being just distant bystanders. For the little children gathered at the front, the passing carriages with their occupants waving glove puppets must have seemed like a moving Punch & Judy show not a few feet from their delighted faces. Particularly loud cheers or faces recognised in the crowds were greeted with doffed hats and the warmth and friendliness in the welcome and the general atmosphere throughout added a very human dimension to the pomp and splendour of the occasion.

Tony Willenbruch

Ceremony at the Law Courts

At the mid-point of the procession, members of the 'official' party: City Officers, Aldermen, Masters & Clerks and personal guests of The Lord Mayor, descended from their carriages outside St. Clement Danes, slipped through the military Guard of Honour and entered the echoing Great Hall of The Royal Courts of Justice. Ushered upstairs to take our places in the hushed atmosphere of the Lord Chief Justice's Court, we were privileged to witness one of those quintessentially British 'behind the scenes' ceremonies which would not have looked out of place had it

featured in an episode of 'Garrow's Law' but which was the *raison d'être* for the procession, harking back some 785 years to the reign of King John. Proceedings started with the arrival of the Queen's Remembrancer and his Clerks and then 5 senior Judges including the Lord Chief Justice of England & Wales, The Master of the Rolls, the President of Queen's Bench Division and the Chancellor of the High Court – two of the five in scarlet robes with an ermine mantle (looking somewhat 'seasonal'), the other three in black silk robes garlanded with gold lace – all wearing full-bottomed wigs topped with a tricorne hat. The Recorder of the City of London presented both the incoming and outgoing Lord Mayors to the Bench in words both erudite and humorous, quoting Milton and Shakespeare amongst other less traditional references (including a very careful selection of words from 'The Engineer's Song'), during which the incoming Lord Mayor swore loyalty to the Crown before the Lord Chief Justice. The Rt Hon Lord Judge (such an appropriate name for a judge) then responded in similarly light-spirited vein before adjourning the Court to champagne and canapés. Of all the stages of the Lord Mayor's Show, it is undoubtedly the memories of the symbolism in that intimate meeting between authorities of such enormous historical power, their Lordships high upon the Bench, the Lord Mayor in the well of the Court with Aldermen in scarlet array behind him, that will remain with me.

Tony Willenbruch

Receiving the Lord Mayor at the Mansion House

At the end of the show, an assorted collection of Aldermen and Masters were to form a Guard of Honour to welcome the Lord Mayor to Mansion House.

We left our carriage at Mansion House, along with the others, and the Lord Mayor's carriage arrived 10 minutes later in all its splendour, to tremendous noise and cheering and music. The Lord Mayor had not finished! He had to talk to groups of people, talk to children and listen to a rendering of Teddy Bears Picnic. On a normal day Aldermen and Masters are not well disciplined without strong guidance – this time we had forgotten the Guard of Honour amongst everything else. To shouts of "He is here" we moved faster than most are used to, and just about made a semblance of a Guard of Honour. Michael was very happy, which is the main thing,

It is claimed that the crowds were a record at around half a million.

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Unfortunately as Doreen was alighting from her carriage she fell and broke a tooth so we missed the celebratory luncheon in Mansion House

John Robinson

Lunch, Dinner and Fireworks

On arrival at Wax Chandlers Hall, perhaps a little later than I hoped but in time for lunch, I met a fellow liveryman who was busily parking his scooter in the cloak room. He told me it was a very convenient way to travel as the local tube stations were shut and the roads empty. I was impressed by the gentleman's enterprise only to find out that I had been duped as it was his grand-daughter's scooter! It was very gratifying to see the many families with children who were obviously thoroughly enjoying the event. The buffet meal was as usual first class and it was washed down with excellent wines. A member of the Wax Chandlers Guild gave us an interesting talk on their new barge which the Guild had purchased to enable them to join the water procession. We later saw the parade of barges, giving their salute to the Lord Major, with oars held vertically, as they moved past HMS President moored on the north bank of the Thames.

Following lunch our party moved to Queen Victoria Street and in fine weather we had an excellent view of the procession returning to Mansion House. One can never fail to be impressed with the efforts of so many to create an interesting, attractive and varied procession stretching out over three miles. We saw the Engineers' participation in the group of Modern Guilds. Our Guild representative liveryman Barry Gasper was still smiling even though he had carried our banner for over one and half hours. The high point was the passing of the Lord Mayor's coach carrying for the second time a liveryman of our Guild, Alderman Michael Bear. The first time was in 1993 during Sir Francis McWilliams' Show and earlier, before the Company was formed, the Founder Master, Sir Peter Gadsden, and Honorary Liveryman, Lord Mais, had their turn riding in the Lord Mayor's Coach.

After the procession had passed we chose to walk to the Wharf restaurant via the Millennium Bridge and the south bank footpath. The whole way was extremely busy and the narrow section between Blackfriars and Gabriel's wharf was particularly crowded with people assembling to watch the fireworks.

The Wharf restaurant upper floor must be the best place on the south bank to view the fireworks. Where else could one sit in comfort in convivial company enjoying a drink and watching the splendid firework display? Middle Warden, David Scahill, who first used

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the restaurant for personal reasons and then realised its value as a venue for a livery function is to be congratulated on establishing this tradition. Long may this first class annual event continue!



Fireworks from The Wharf

John Coldwell

A CHRISTMAS CAROL AND THE RIVER THAMES 15th December 2010

The annual Carol Service is keenly anticipated by all those who attend and make it a "standing room only" event. My own anticipation was heightened by being able to bring an American guest from the Deep South. Anticipation mixed with anxiety as our return flight from Italy was delayed by the French Air Traffic Controllers striking and our plane making a round tour of Europe. Then the taxi from London Bridge seemed to go via Bermondsey in the rain. However we made it - missing only a snippet of the always outstanding opening parade of the choir.

One muses over why it is so eagerly anticipated? I suggest that it is the time of the year when our sometimes submerged religious feelings come to the surface. Then there is the exquisite location and last, but certainly not least the beauty of the sights and sounds of the spectacle.

The location of the Tower and the church, the Chapel Royal of St Peter ad Vincula within the protected interior of the Tower is a stimulant to the imagination.

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It was originally built in 1520 and has been re-built twice. Walking over the damp and darkened cobbles one begins to feel the presence of history. After Traitors Gate other openings occur in the walls and I hoped that the official “No Entry” sign would also protect me from any attempted exit by the spirits lurking within. The name “Chapel Royal” means that monarchs have often worshipped there. As did those who fell foul of their monarch and the graves of Anne Boleyn and Thomas More lie with others within the church’s walls. A sign of regret or magnanimity by the monarch who had just authorised their execution. Perhaps!

In this setting the spectacle is just stunning. And the sound from the crystal clear voices of the choristers is just wonderful. The music mixes the well known and the little known carols delightfully. The readings are always worth our concentration and thought and were given by the leaders of our Company.

The religious service is led by our own chaplain, Michael West. Our collection is for our charity RedR UK dedicated to providing engineers for disaster relief and as in every year was well supported.

I always leave the church still wishing that I could linger after the crush has departed to review the detail of the many plaques and rolls of honour that cover the walls. But rush off to the boat to feed our bodies having satiated our inner selves.

PS Dixie Queen

The paddle steamer is a vessel of superlatives, its size and mode of propulsion being obvious to all.

The reason for not being able to dally is twofold. First, for the later arrivals, there is sometimes a slow progression down the jetty to the cloakroom in what seems an Arctic wind and the Captain has often a schedule governed by the tide to meet. This year there was also the challenge of finding a new route as the berth had been changed because on this occasion Tower Bridge was under repair and could not be raised to salute our passage on the Dixie Queen. The Beefeaters of the Tower guided us out by a different gate to that which we entered and our footsteps then retraced the steps of thousand upon thousand of the London Marathon runners.

The cold wind was defeated by boarding direct onto the upper deck and allowing an area of that to become an open access cloakroom. Perfectly safe and a valuable improvement. Our schedule seemed to run later with dinner being announced well after the boat

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had departed from its moorings, so all had more time to mingle over a glass or two of bubbly. There was a pronounced movement of the boat to add to the impression of the evening. The slight rocking seemed to be caused by an unusually high number of passes by high speed craft on the river - a possible feature of our transport systems to come?



Diners Aboard the PS Dixie Queen

The meal was well presented traditional fare featuring smoked fish, roast beef and apple pie. Much more lavishly described in the programme of course. Whether it was wise to attempt Yorkshire pudding with a Master who has roots on the homeland of the dish may be open to question. But all the contents of all the plates were consumed on my table.



The Master, John Robinson

John Robinson, The Master Engineer offered our thanks to the Governor of the Tower for allowing the event, which is a special privilege. He thanked the Choir of the Chapel Royal under the direction of its Master of Music Colm Carey, and Rev'd Roger Hall,

the Resident Chaplain to the Tower had also been in attendance.



The evening concluded with the Loyal Toast given by the Master and one to our own Company from the Clerk, Tony Willenbruch.

Finally he wished all members of the Company and their families a happy Christmas and healthy 2011.

Norman Harris

FOOD ENGINEERING AWARD Butchers' Hall 2nd February 2011

The joint committee of the Institution of Mechanical Engineers and the IFST awarded their prize, for 2010 to Dr Said Elshahat Abdall Elsaïdy of the University of Kafrelsheikh in Egypt. Dr Said is the assistant professor of the Agro & Bio-Processing Engineering Department of the Agricultural Engineering Faculty.

The winning paper entitled "Thermal efficiency enhancement of a solar drier for hay making from sugar beet tops" was selected from eleven submissions as the best Food Engineering Paper of the year.

The award is selected by committee members of the Universities, Queens Belfast, Reading and Bristol and is sponsored by the international PM Consulting Group. The award consists of a cheque for £1000 and a Certificate of achievement which are normally presented at lunch with the committee at Butchers Hall. Unfortunately Dr Said was unable to attend and the award will be forwarded to him. Five committee members are liverymen of the Company.



Liverymen Don Ives, David Everington and Assistant Clerk Stephen Grundy at Butchers' Hall

The food industry is of significant value to the UK economy and has a turnover of £80 billion which is 18% of UK manufacturing. This is the largest UK manufacturing sector and the largest food and drink manufacturing industry in the world.

There are 5967 businesses in manufacturing food and beverages with a total labour force of 463000 people and with approximately 1.2 million jobs in ancillary activities. Exports of food and drink are approximately £14.5 billion of which 60% go to the EU. The UK is the fifth largest exporter of food and drink in the world.

Don Ives

MASTERS AND WARDENS COLLECTION FOR THE BRITISH RED CROSS 6th May 2011



On 6th May in the morning and evening many Masters and Wardens of the City Livery Companies staged a street collection on London Bridge for the British Red Cross. Senior Warden David Scahill was pleased to take part and collected over £200, the third highest sum of the morning collection, which totalled £3375.99. *Editor*

ELECTION COURT, SERVICE AND DINNER, Wax Chandlers' Hall' 1st March 2011

The evening started early, at 17.25, with the clothing of a new Liveryman at Wax Chandlers' Hall, to which all Liverymen are welcomed to observe the clothing ceremony. A small gathering of Liveryman joined the Court for this ceremony and duly observed our new Liveryman, John Coplin CBE FREng, being welcomed to the Company and clothed in the robes of the Company. This was followed by the Divine Service at the Church of St Vedast alias Foster, a warm and welcoming church just around the corner from Wax Chandlers' Hall.



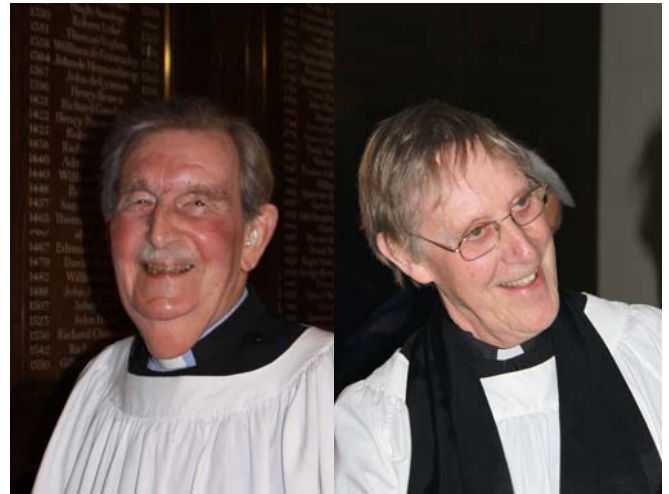
The Master and Wardens about to set off from Wax Chandlers' Hall to St Vedast

A visitor from Chicago wrote the following report of their visit and the last sentence really sums up the 'feel' of the church.

"This is a beautiful Wren church, located just north of St. Paul's on Foster Lane. St. Vedast is thought to have been established circa 1170, although the first official record is from the 13th century. It was rebuilt in the 16th and early 17th centuries, but then destroyed in the Great Fire of 1666. Only the base of the tower and the lower walls survived. The church was temporarily repaired by the parish, and then was rebuilt by Wren between 1695 and 1712. The church was essentially destroyed in the Blitz, with only the tower, steeple, and walls surviving. Restoration was completed in 1962.

I was especially impressed by the interior of St. Vedast. It has dark wood, and an elaborate and colourful plaster ceiling. The interior also contains gorgeous furnishings from "lost" City churches, particularly the stunning pulpit (from All Hallows Bread Street) and organ case (from St. Bartholomew by the Exchange). All of the woodwork is beautiful. St. Vedast is a calm place just steps away from the bustle of the City."

The Service was the last to be conducted by the Reverend Michael West who has been our Honorary Chaplain since 1998. At the end of the Service Michael handed over the Company's preaching scarf to our new Honorary Chaplain the Reverend Peter Hartley and the Master announced that Michael would become the Company's Honorary Chaplain Emeritus "forever". The Master thanked Michael, on behalf of the Company, for the Service and for his excellent service to the Company for many years and welcomed Peter, our new Chaplain.



The Honorary Chaplain Emeritus Rev Michael West and the Honorary Chaplain Rev Peter Hartley

The Service was followed by the Election Court Dinner back at Wax Chandler's hall. A very pleasant occasion in comfortable surroundings with good company where we were entertained to a first class dinner and wines, concluding with the Loving Cup ceremony.

The Gallant and Learned Clerk then announced the results of the elections held earlier in the afternoon. The first was the Master-elect, John Banyard OBE FREng, who, after exchanging a loving cup with the Master, congratulated the Master and his wife Doreen on an excellent year. The Master-elect then welcomed the new Honorary Chaplain, and spoke about the forthcoming year where the focus would be on implementing the strategy developed under the current Master's leadership. He also drew attention to some specific events; the Celebratory Concert on 17th October at the Royal Festival Hall where the Company has reserved 50 tickets, the Dinner after the Lord Mayor's Show, visits to the Royal Shakespeare Theatre and the Rotherhithe tunnel, which took 18 years to complete and finally the Out of Town Meeting in Edinburgh in September. The Master-elect concluded by saying "he hoped to see all of us at some of the events and some of us at all of the events".



The Master-elect John Banyard OBE FREng giving his acceptance speech

The Clerk then announced that, unsurprisingly, David Scahill had been elected Senior Warden, Air Vice Marshal Graham Skinner CBE Middle Warden and John Baxter FREng FRSE Junior Warden and each, in turn, exchanged a Loving Cup with the Master. The master also exchanged a Loving Cup with the new Honorary Chaplain.



The Master John Robinson FREng at the end of a very Happy Year

The Master then rose to propose a toast to the new Liveryman and invited him to introduce himself. Mr John Frederick Coplin CBE FREng was born in Coventry in the 1930s and gained a scholarship to a grammar school which included visits to the local industry. He gained a good foundation working in his father's workshop and finding bits of Messerschmitt aeroplanes during the Blitz, leading to study for a degree in Aeronautical Engineering at Imperial College and an undergraduate apprenticeship at Rolls Royce where he stayed on to become Director of Technology Development having held a number of senior posts, including Chief Designer of the RB211, the foundations for the current very successful Trent series of engines.

The evening concluded with a Toast to the Company by the new Liveryman. An enjoyable and excellent evening was had by all and was noted as the last occasion which would be hosted by our current Master. We thank the Master John Robinson for another good year in the life of the Company.

Peter Bullen

VISIT TO CASTROL TECHNOLOGY CENTRE 15th March 2011

Along a beautiful Oxfordshire road, having crossed one of the last country toll bridges, a small sign pointed to a Technology Centre but once through the shrubbery we arrived at a large scientific complex based on a country house once owned by the biscuit magnate Palmer. Through the good offices of John Baxter, Court Assistant and Junior Warden-elect, twenty members had come to Castrol's laboratory near Pangbourne. It was just like going back to the 1950s when all our major British companies supported such facilities. The birth of the firm originally was in the 1880s when Charles Wakefield started selling oil and as the formulation included castor oil their brand name became Castrol. Ownership changed hands several times and eventually they were bought by BP in 2000.

The morning was spent in the lecture theatre with its historic photographs on the walls. First Dr Angela Strank, Vice President Technology explained that BP employed 800 scientists based at 13 centres throughout the world in testing and developing their products. Castrol targeted markets in 60 different countries and had recently opened a new laboratory in South Africa. Castrol, with its icon brand GTX and its association with motor racing, has approximately 11% share of overall world market but its penetration is much higher

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in some specialist oils. The Company has to continually trial and develop new formulations to be meet increasing tough legislation and to keep ahead of the competition.



The Origins of Castrol, Photograph in the Lecture Theatre

Malcolm Huntly, who is in charge of the laboratories, stressed the importance of safety and environmental issues. He gave a fascinating glimpse into 2030 when smaller engines will dominate and when even diesel consumption will have declined,

David Taylor, Customer Relations Coordinator, gave a further run down on how BP product lines were divided into categories, Lubricants, Retail, Fuels, Aviation Bitumen and Coke. They now concentrated on marketing in 60 countries. Castrol provided profits to BP of £1bn yearly and most of the products were so specialist that they were not price sensitive.

There followed an excellent buffet luncheon, and how sensible these days not to serve alcohol, where we were joined by another ten members of staff. The afternoon session was a tour of the laboratories where everything was so well ordered

During the tour we saw a complete range of equipment costing up to £100k. The tests covered piston wear, emissions, viscosity and oil consumption etc. Tests are made on both new formulations to ensure they meet their intended specifications and on current products to ensure that they do not deviate from the specification. Taking the example of viscosity, the time metal balls took to fall to the bottom of a sealed cylinder was measured. A particular task was to find engine oils which responded to the direct injection of fuel into pistons leaving inlet valves with insufficient lubrication. The laboratories also tackle complaints. A vintage car engine which had

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seized up following a top up of oil was found to be due to the fact that the customer's wife had emptied vegetable oil into a can on a garage bench which the customer had then used. Castrol declined to pay for a new engine! There were also facilities to test engines of all sizes with state of the art emission evaluation.



The Company Visitors with the Castrol Hosts in front of the Original House

All who attended echoed the thanks of the Master to Castrol/BP for this memorable visit. As we left the state of the art security reminded us that the 1950s were a long time ago.

Michael Selfe

INSTALLATION COURT, ANNUAL GENERAL MEETING AND DINNER Drapers Hall, 12th April 2011

After the Installation Court the Company gathered together with their guests for the AGM (Common Hall) held in the wonderful surroundings of the Drapers Hall in Throgmorton Avenue.

After investing two new Liverymen, Hans Walzl and Tom Barton, the Master John Robinson summarised his Annual Report, which had been circulated and is included below. He spoke of his year with affection and was applauded for all his work on behalf of the Company. The Master elect, John Banyard, summarised the accounts explaining that despite making a small operating loss for the year this had been achieved with the added expense of supporting Assistant Alderman Michael Bear in becoming the Lord Mayor.

Unfortunately our Chaplain Emeritus, Michael West, was unable to attend Common Hall due to an accident but the Master reported he was recovering well. As a result he was unable to receive his retirement gift from the Company which was a silver communion dish embossed with the Company coat of arms and duly

inscribed to reflect the service he had given the Company over the years. Past Master David Bawtree was able to visit Michael the following day soon after the Master received the following message from Michael.



The Company Gift to Chaplain Emeritus Michael West on his Retirement as Honorary Chaplain

“Last Wednesday, David and Anne Bawtree came to visit me in Horsham Hospital and brought with them the warm greetings and best wishes of the Company. This was a joy in itself but they also brought with them a gift that it had been planned for me to receive the previous evening.

I was totally overwhelmed; indeed, tears came to my eyes. To say “thank you” seems so very inadequate yet my deepest thanks is all I can say. Over the years, it has been both a privilege and a pleasure to serve as the Company’s Chaplain. There have been times of joy and times of sadness but these have all contributed to a very rich experience.

Little could I have realised when I became a Liveryman in 1984 that I would ever become a clergyman, let alone Chaplain to the Company. I look forward to continuing as a Liveryman and now also Chaplain Emeritus.

Again, my most sincere thanks to you personally and to the Company for the support I have received over the years”

The Clerk spoke to the assembly of members and guests about the significance of the ceremonies that they were about to witness.

The installation of the Master and Wardens then took place with Master John Robinson giving way to Senior Warden John Banyard who thanked the outgoing Master for his year of office and presented him with a Past Masters badge and Certificate.

The new Master then proceeded to install his Wardens with David Scahill being appointed Senior Warden, Air Vice-Marshal Graham Skinner as Middle Warden and John Baxter as Junior Warden. The incoming Wardens read and signed their respective declarations.

Two new Court Assistants were then invited to read and sign their declarations and were duly invested and given their Assistants’ badges. David Cooper and Professor Ric Parker then took their seats in the Court.

The business of the AGM (Common Hall) being completed the assembly retired for pre dinner drinks and conversation.

The members and their guests then took their places in the magnificent dining room at Drapers Hall and a procession led by the Beadle and including the Wardens and the new Master and his lady with the principal guest took their places at the top table. The first action of the new Master was to present the Immediate Past Master John Robinson with his goblet so he could happily enjoy a well earned drink.

Following a wonderful meal the Master addressed the room and gave thanks for the Company confidence in him and proposed the “Toast to the Guests”.

Replying on behalf of the guests, Sir Roy McNulty, spoke of the fruits of scientific discovery and recalled a number of high profile projects on which he had worked and as an accountant had enjoyed the company of some outstanding engineers. He also highlighted the well known fact that the key to projects, both large and small, is getting it right in the planning stages including exploring all of the options at that time.

David Cooper

The Master John Robinson’s Report 2010/2011

The Annual Report and Financial Statements for year ended 31 December 2010 have been circulated and my report to you is intended to complement that Report. Chris Price was Master until 20 April 2010, and it has been my privilege to be Master since then.

Membership



Membership was broadly static at 329 members compared to 332 a year ago. Recruitment is strong but, unfortunately, we also had a number of losses in the year including the deaths of Founder Member Sir Hugh Ford, Roy Chalice Orford and Tony Monk. We are close to the membership limit

set by the Court of Aldermen; a healthy situation. 13 new Liverymen were clothed in the period.

Finances

Significant effort has gone into making our accounts clearer; I hope members find them easier to assimilate. Tight control of costs, in difficult times, means that our finances are in good shape, particularly after a change of policy regarding payment by the Charity Fund Trustees to the Company for administration costs. Key points:

A small deficit, after a substantial special item, of £1,768.

A “trend” surplus, before the special item (support for Liveryman Alderman Michael Bear in his Lord Mayor’s year) of £8,941.

No charge to the Charitable Fund for administration; in the previous year this charge was £12,554.

Costs of functions broadly balance with income. It seems to me an important principle that people who are unable to attend functions do not subsidise those who do!

This gives us a good base as we move into the new year.

Charitable Fund

The Charity is a vital part of our activities. It is formally the responsibility of the Trustees, but members give the money, and give considerable time and effort to its work.

Again we have made substantial efforts to clarify its Accounts. A full set of Accounts will be distributed to those attending the AGM and they will also be available on the website. Please read them and ask questions! I am proud of our Charity and believe that we are now able to move into the next phase of increased distribution and activities. Key points:

The fund now stands at total assets of £606k, substantially helped by a very generous bequest from Sir Denis Rooke’s estate of £50k, significant lump sum contributions from three Liverymen, and stronger financial markets.

Substantially increased regular giving by members; last year this totalled almost £32k.

The assets are being transferred to Williams de Broë to manage on our behalf, away from an essentially self managed policy using a Charity Unit Trust and Bonds.

Last year the Charity distributed approximately £26k in Grants, Medals, Prizes, etc., compared to £21k in the previous year. Trustees believe that, going forward, we should plan to distribute all the income from members, along with income from the investments, such that the real value of the assets is maintained in the long run. We should run the charity with no administrative charge making it a highly efficient charity.

This should mean that we are able to distribute well over £40k each year going forward. I have been charged with reviewing future strategy for the Trustees, particularly so that we can make the best use of the money which we distribute.

Events

The Company is much more than money, and I am sorry to feel the need to spend so long focussing on it. But it has been a year of needing to give much focus to those matters.

We had the usual full range of activities which have been well supported. All have been fully reported in *The Swordsman*. We are amongst the most active of Livery Companies. Visiting Masters are impressed. Particularly impressive to others is the level of participation in our Out of Town Visits, which appears to have twice the numbers of others, and is the best way for members to get to know each other.

External Engagements

A duty and pleasure of the Master is to represent the Company at City events. One is able to do things which would otherwise not be possible.

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Consequent on Michael Bear being elected Lord Mayor, I was involved in both the Lighting Up Ceremony and Dinner and the Silent Ceremony and Doreen and I were involved in both the Lord Mayor's Show and the Lord Mayor's Banquet at the Guildhall. This gave an insight into events which have happened for centuries and are part of the indefinable glue which helps to hold this country together.

I gave my speech at the Mansion House with some trepidation – saying things which I believe needed to be said, but recognising that not all the audience might see it that way! However, it did raise considerable interest and discussion. Consequently, I have been invited by the Sheriffs to speak at a dinner they are arranging and lead a discussion on those issues of integrity and innovation which were raised. It is important that our voice is heard wherever we can on matters which affect us as professionals.

We are unique in our relationships with the Engineering Institutions. They are currently working better together than at any time in my memory, coordinated by the Royal Academy. Another duty of the Master is to help where he can, and represent all Engineering in the City.

Thanks

The Master, at best, is merely the conductor of the orchestra for a year.

Many people work hard for us, many silently. I particularly thank the Wardens, Clerk Tony, and Assistant Clerk Steve for their hard work and unflinching support. There are many others, particularly members of Court, for their many and diverse duties. Thank you all!

Special thanks to our Swordsman Editor, Raymond Cousins. This is a huge task, cajoling us all with unflinching good humour.

And not least to Doreen, for being totally supportive, provoking me into doing important things I would rather avoid, and being a wonderful hostess.

Michael West has been our Chaplain for 13 years. He now lays down his Scarf and becomes Chaplain Emeritus. Michael is outstanding on public occasions – but much of a chaplain's work is behind the scenes and unknown. Michael has been and will remain a help, support and friend to many, and I give him our heartfelt thanks.

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Being Master is an honour and privilege. I wish our incoming Master every success and to him and Judith great pleasure.

John Robinson

The New Master John Banyard's Thanks at Common Hall



Immediate Past Master, Wardens, Assistants, Ladies & Gentlemen, I am both honoured and flattered to be elected as Master of the Worshipful Company of Engineers, and I must thank the members of the Company for electing me and for the support and encouragement that they have given me

over the years.

It is a singular honour to be invited to be Master of a Livery Company and particularly so when the company, like this one, is closely allied to ones chosen profession, and I look forward to representing the Company for the next 12 months.

Immediate Past Master John Robinson, has had a tremendously successful year, building on the 25+ Strategy that had been developed by Past Master Chris Price, and in particular reformatting the accounts to reflect the levels of transparency now considered to represent good corporate governance. It is my intention to continue to encourage the company to evolve in line with the 25+ Strategy, and in particular I shall be encouraging the Clerk and Beadle to make full use of IT to streamline administration and help us control our costs going forward. We shall also have to start thinking about our membership, we are in a healthy position now, but have an ageing profile with 60 of our members over 80. Perhaps it is a normal position for an organisation such as ours, perhaps not, we need to consider it.

Another area where we need to revise our historic approach is the Charitable Trust, where legislation and good practice has moved on, there has been nothing wrong with what we have done historically, it is just

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that ideas and the legislation have changed – I am delighted that again John Robinson has offered to chair a review group that will consider what changes

On a lighter note, I believe that the Programme Committee has done an excellent job, and Judy and I look forward to welcoming you to a variety of functions, which will include a tour and performance at the revamped Royal Shakespeare Theatre on 1st July and a concert at the Royal Festival Hall on 17 October, as well as the usual formal dinners, technical outing and Golf day – not forgetting of course the Out of Town Meeting in Edinburgh.

Finally, I must offer my congratulations to John & Doreen for what has been a truly memorable year, and one that has provided huge enjoyment to members of the Livery while at the same time John has worked tirelessly with the Clerk and Beadle to burnish the company's already high reputation.

John Banyard



Principal Guest Sir Roy McNulty, The Master John Banyard and Mrs Judith Banyard before Dinner

Master's Speech at the Installation Dinner

Wardens, Mr Alderman, Prime Warden and Masters, Liverymen, Ladies and Gentlemen, it is my very pleasant duty to welcome you all to the Installation Dinner in this magnificent Hall that starred in the Oscar winning film "the Kings Speech" as the interior of the Royal Palace.

I am sure you have all had an excellent meal, and I would ask you to thank the Drapers for letting us use their Hall, the caterers for the superb food and wine, and of course the musicians.

I must also lose no time in also extending my thanks to the Immediate Past Master John Robinson and his wife Doreen. Checking back 12 months, at this time last

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year John was musing about what contribution he could make, now I think we can answer that question, a very substantial one. John and Doreen have both worked tirelessly on behalf of the Company, organising a truly memorable Out of Town meeting in East Yorkshire, which I think was a revelation to many of us who had encountered Hull in the 60's and 70's. John has by his own admission been the "Strategy Man", while Doreen has been carefully filling in the detail, they have made a superb team, and we are all indebted to them.



Tonight our principal guest is Sir Roy McNulty, who a fortnight ago was named in the Times as "the Business Big Shot of the day", following his appointment as a non Executive Director of Gatwick Airport,

Sir Roy is one of the Country's leading industrialists. He has over 30 years experience in the aviation industry, having been Chief Executive and then Chairman of Shorts of Belfast; Chairman of the Civil Aviation Authority; and Chairman of the National Air Traffic Control Services.

He is currently Deputy Chairman of the Olympic Delivery Authority, and is Chairman of the Rail Value for Money Survey which will allegedly recommend a major overhaul of Network Rail. The BBC has recently made great play of generating a return of £2 for every £1 of license fee that it receives. Under Sir Roy's guidance the West Midlands Redevelopment Agency has generated a return in excess of £8 for every £1 of funding that it received!

From the City of London, we are pleased to welcome Alderman Jeffrey Evans who represents the Ward of Cheap, in which Wax Chandlers' Hall is located.

I am pleased to welcome the Past Prime Warden of the Blacksmiths' Company together with the Masters of the Paviers, Master Mariners. Chartered Architects and Fire Fighters Companies. By an amazing coincidence both the Masters of the Master Mariners and the Fire Fighters Companies are in office again having been

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Masters of their respective Companies in 1999 to 2000.

We are proud to be Patrons of the Register of Engineers for Disaster Relief, and to welcome their Chief Executive, Mr Martin McCann, and Mr Ian Smout, Chairman of their Trustees.

The professional Engineering Institutions are represented by the President of the Institution of Engineering and Technology; one of our own Liverymen, and a Past President of the Institution of Chemical Engineers.

Our long serving Chaplain Michael West has handed over his scarf to his successor Peter Hartley, and I must add my own thanks to Michael for his service to the Company. Our new Chaplain, like both of his predecessors is also an Engineer; he is a former Chief Executive of the Consulting Engineers Trevor Crocker & Partners, and Trevor Crocker was himself Master of this company in 1991/92. Peter we are absolutely delighted that you have agreed to take on the role.

About two years ago a number of us attended the Memorial Service for Past Master Dr David Mitchell. During the service a very good friend of David's gave a reading on behalf of the Rotary Club. He had an unusual name, but one that I thought I recognised, but he lacked the distinctive red hair of the man that I had known. However talking to him later I confirmed that he was indeed the John Loarridge, who 50 years ago had been my House master. I am delighted that he is with us this evening. John, I know that you still see Winifred from time to time, and I would be grateful if you could convey the Company's best wishes to her.

During the Budget Speech, the Chancellor announced that Britain needed to rebalance its economy away from the over reliance on Financial Services – there needed to be more emphasis on things that were: Invented, Developed and Made in Britain - a view which will resonate with many Engineers. The speech contained a number of initiatives aimed at increasing the contribution to GDP from our technological base. It is encouraging to see the importance of engineering being recognised by Government. One proposal, omitted from the speech, but included in the Growth Review published at the same time, was the establishment of an international prize for engineering, of similar status to the Nobel Prizes. This idea is based in part on a proposal put forward by Liveryman Keith Millard when he was President of the Institution of Mechanical Engineers. There is still a long way to go, to bring this idea to fruition, but it has caught the imagination of the Government, David Willetts, the

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Science Minister has launched a competition to find a name for the prize – he favours Matthew Boulton, and Lord Browne, President of the Royal Academy of Engineering has warmly welcomed the formation of the prize, the story was given substantial coverage in the Times last Saturday, and we should congratulate Keith on his initiative.

On that upbeat note, with clear Government recognition and support for the contribution that Engineering can make to our Society and its Economy, I now invite the members of the Worshipful Company of Engineers to join me in a toast to “Our Guests”

Sir Roy McNulty's Speech My Life with Engineers



Master, Mr
Alderman, Prime
Warden and
Masters,
Liverymen, Ladies
and Gentlemen

It is a great pleasure to be here this evening, especially on the occasion of the installation of your distinguished new Master, and to be able to respond on behalf of your guests.

It is somewhat of a challenge for me to address an audience which includes so many distinguished engineers as I am an accountant, not an engineer. Engineers are marvellous and as Lord Browne said recently, “engineering embodies a spirit of daring and originality in designing and enabling a better future using the fruits of scientific discovery” – what could be grander?

In contrast accountancy is a famously boring profession; when does somebody decide to become an accountant?

But some accountants do have the privilege of working with engineers, and I am one such accountant. I have been involved with many major projects and companies most recently with the Olympic Delivery Authority and Gatwick Airport

I have seen examples of outstanding engineering such as supertankers at Harland and Wolf, Carbon Fibre

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composites, Starstreak, NATS, ATC systems reliability and the ODA, Olympic venues such as the Velodrome

I have seen engineering which was less than outstanding such as the Chrysler product range (Hillman Imp), cost overruns at Harland and Wolf, the NATS, Swanwick project and Network Rail costs

But, when I have thought about it, I have realised that these problems were seldom really the fault of the engineers – it was much more about the situation they were placed in by others.

So may I offer a few cardinal principles?

Don't commit to something if you don't really know what it is.

Take time to think creatively and rigorously about the solution options early on and remember that 90% of cost and success determined in first 10% of the project timescale. In other words take time to get the plan right

Although they may seem to be statements of the obvious, these principles are challenging, and Governments in particular find these things difficult, but the opportunity to do better is always there to be taken.

I believe that one thing this Government has got right (and I don't think they have got everything right) is to recognise the importance of engineering and its role in helping to give British manufacturing a brighter future. I am sure we would all endorse that aim.

Master, we your guests, have appreciated your excellent hospitality this evening, in these wonderful surroundings.

So may I ask everyone to be upstanding as I propose a toast to the "Worshipful Company of Engineers, may it flourish in root and branch forever."

THE BROOCH LUNCHEON

13th April 2011

Wax Chandlers' Hall

Once more the time of year came around for the Ladies' Brooch Lunch which occurs every year the day after the installation of the new Master of the Worshipful Company of Engineers. Each time there is a kind of limbo from the moment of the installation to the presentation of the Brooch during which there is no official Master's Lady. This is quickly and most

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pleasantly remedied by the presentation by the retiring Lady to the incoming.

After grace and the announcement of apologies, this was accomplished with great grace by Mrs Doreen Robinson to Mrs Judith Banyard at the beginning of the meal.



Judith Banyard proudly wearing the Past master's Ladies Brooch with Doreen Robinson

Doreen said she was very grateful for all the support she had had from the assembled company and others throughout her year, which she had found most enjoyable. One of her greatest pleasures had been to be able to take her granddaughter to the Christmas party given every year at the Mansion House by the Lady Mayoress of London.

After receiving the Brooch Judith said she could not quite believe that after several years of preparation the time had actually come for her to take over. At first it had seemed a daunting prospect but with the friendship she had found among the past Mistresses and the Company in general and the excellent role model provided by Doreen Robinson she was looking forward to her year. She then presented a replica of the Brooch to her predecessor. Both were heartily applauded by the fifteen other Past Mistresses present and a splendid lunch was then enjoyed by all.

Ann Bawtree

History of the Brooch Luncheon and the Master's Lady's Brooch

During Gerald Clerehugh's term of office as 10th Master of the Company Joan Clerehugh had enjoyed so many special occasions at his side and been proud to wear the Master's Lady's Brooch that Past Master Rear Admiral Peter Hammersley, the 5th Master, had presented to the Livery at the end of his year in office in 1989.

COMPANY NEWS January Court Meeting

At Court Meeting on 11th January, which was attended by the Rt Hon the Lord Mayor Alderman Michael Bear, seven new Liverymen were invested

Eur Ing William Frankland CEng FICE Associate of the Royal College of Advanced Technology, Salford.



Bill Frankland's principal interests are in Structural and Civil Engineering, Architectural structures, tunnels, offshore structures, high-rise buildings and airport structures. Bill is currently with Laing O'Rourke in Hong Kong working with Liveryman Doug Oakervee having previously been with CLM at the Olympic London 2012 site where he arranged the Company's visit in October 2009. Earlier in his career he also worked on large projects including Terminal 5 Roof for Laing O'Rourke, Hong Kong Airport with AMEC, John Brown and Cleveland Bridge.

Terence Malcolm Hill MSc FREng FICE



Terry Hill is currently the Chairman of the Arup Group Trustee Board. After a period with the New Town Development Corporation and the UK Road Construction Unit Terry joined Arup in 1976. He has worked in the UK, the Middle East and Africa and most recently on the Channel Tunnel



The Master's Lady's Brooch

Joan, like so many of her predecessors and successors, had received so much support and advice from previous Masters' ladies that she decided to invite them to Lunch at Kew Gardens and to view a special collection of paintings of orchids.

Commander Bryan Gibson, who was then Clerk, suggested that it would be an excellent opportunity to welcome the new Master's Lady and hand over the Brooch.

And so it came to pass! Bryan always said that if you do something once and it is a success, repeat it and it becomes a tradition. So this delightful occasion has now become an annual event.

Every Master's Lady is thrilled to wear this beautiful piece of jewellery. Many people pass comments about it and frequently admirers point out that not all Livery Companies have a distinctive badge for their Master's Lady to wear. It is crafted in gold and silver and adorned with a sapphire and three diamonds, it includes the essential elements of the Company's shield. Past Master Dr. David Mitchell presented several smaller replica of the Hammersley Brooch to the Livery at the end of his year in Office and the Company has bought a number since. These are now presented to the Immediate Past Master's Ladies at the Brooch Luncheon.

Editor based on a report by Joan Clerehugh

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Rail Link. His principal interest is civil engineering related to transport infrastructure.

Dr Colin William Brown MA PhD CEng FIMechE FIMMM



After completion of his PhD Colin Brown worked for both Rolls-Royce and BP developing improved performance materials for high integrity applications. He then moved into management and business roles in engineering organisations to gain international experience. He is

now working to improve the profile and prestige of being a professional engineer and is currently the Engineering Director of the Institution of Mechanical Engineers. His principal interests are the mechanical behaviour of materials and the transition to a low carbon future.

Thomas Joseph Colbert BSc MSc MBA CEng FICE FIMMM FEI



Thomas Colbert's principal interest is Energy and he is currently Managing Director, MND Exploration & Production Ltd which is part of a Czech Republic conglomerate with interests in oil and gas production, gas storage and manufacturing.

Thomas' early career was as a civil engineering project manager for both onshore and offshore projects followed by period as a Petroleum Reservoir Engineer and Asset Management Advisor for Shell and Mobil. From there he became Business Development Manager for JKX Oil and Gas and then

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International Business Manager for British Gas. After a time as a Consultant with PricewaterhouseCoopers he rejoined Shell as a Senior Business Advisor in the Gas and Power Division before taking up his current post.

Norman Robert Jones CEng FIGasE



Norman Jones' principal interests are in environmental control and related safety matters, particularly in domestic buildings.

Norman is a Consulting Engineer and Expert Witness having retired in 2000 after twelve years as Director of Sutherland Associates Ltd. His early career has mostly been in the domestic heating industry as a development engineer, laboratory manager, technical services manager, technical sales manager and Operations Director in the UK, USA and Europe

Ian Frederick Morris CEng FIMechE



Ian Morris is currently the Chief Executive of the British Fluid Power Association a post that he took up in 2005. Before that he was successively Managing Director of W Gorman, an automation company; Linde Hydraulics and Voss Hydraulic Fittings. Ian's principal interests are Fluid Power, automotives

and machine tools.

**David Peter Richards MSc CEng CEnv
HonFSEE FIMechE**



David Richard's principal interests are in structural dynamics, vibration, shock and the effects of the environment on equipment, Defence and Aerospace.

He has been Head of Structural Dynamics at Lockheed Martin UK INSYS since 1976. From 2005 to 2008 he was

President of Confederation of European Environmental Engineering Societies and from 2001 to 2009 has served on the Council of the Society of Environmental Engineers including a period as Chairman.

At the end of the Court Meeting on 1st March one New Liveryman was invested

**John Coplin CBE FREng CEng
FIMechE FRAeS FCGI**



John Coplin is the Founder Chairman of Hiflux Ltd which is involved in the design and automated manufacture of high temperature heat exchangers for efficient small scale generation of electrical power. He is also a non executive director of Hykinesys a company producing fun to drive cars that

have an exceptionally low fuel burn and emissions. In his earlier career he was the Chief Designer of the RB211 jet engine and Director of Technology and design for Rolls Royce Aero-Engines before becoming the Managing Director of Rolls Royce Business Ventures. John has served as Chairman of the

Aerospace Technology Board and as a member of the Defence Advisory Council. He is the Author many technical papers delivered internationally and two technical books for children.

During the Election Court Service Rev Michael West the Company Chaplain retired and Rev Peter Hartley was invested as the new Company Honorary Chaplain

**Rev Peter M Hartley MA, MSc, FICE,
CEng ENGINEER AND PRIEST**



After Graduating Peter worked for Sir William Halcrow & Partners, mainly on site for dock, harbour and bridge projects in Dubai and Benghazi but also on site in Birmingham on the Great Charles Street Vehicular Tunnel. In 1970 to 71 he took a Master's Degree in Transport at Imperial College and then joined

Trevor Crocker & Partners becoming a Director. Trevor Crocker was a founder Member of the Company and Master in 1991 to 92 Projects in the UK included trunk road and rail including several railway bridges, large-scale industrial projects including for British Coal, housing development projects and environmental studies. In the Middle East Peter led the firm's work in Iraq, Iran and Qatar on railway, road bridge and infrastructure projects.

In 1984 Peter was ordained a Priest in the Church of England as a non-stipendiary Minister in the work place.

From 1986 to 1995 Peter was Managing Director of Trevor Crocker & Partners and subsequently Chief Executive of DHV(UK) working on more railway projects in the UK and Europe including Thameslink, Crossrail, Jubilee Line and Lisbon railways.

From 1996 to 2002 Peter was the full-time Trust Chaplain for Surrey and Sussex NHS Hospital Trust with hospitals in Redhill, Crawley and Horsham. At this time he worked in a small team of other part-time ministers including Rev Michael West, Chaplain Emeritus other denominations and volunteer Lay Chaplains.

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Since 2002 Peter has undertaken ministry work in local parishes and during vacancies. He also served as a Parish Councillor and for 3 years was as Non-executive Director of Mid Sussex NHS Primary Care Trust.

Peter has four children widely scattered, including one in Australia, 13 grandchildren and his wife, Fiona, retired from nursing in 2004. has an Interest in contemporary Christianity and is the Author of a book "Consulting Engineering – Constructing the Future"

At the Installation Court Meeting two New Liverymen were Invested

Hans Wautl BSc, MBA, CEng, FIMMM, FIMechE



Hans Principal interests are in plastics processing and filter design.

He has enjoyed a wide and varied career covering manufacture of steel from melting shop to rolling mills, refractory ceramic manufacture, plastic processing from injection moulding to thermoforming, the development of

resin binders and design of filter constructions. Hans is currently the CEO of ESP Plastics Ltd and the CEO of PSI Global (FE) Ltd in Hong Kong.

Thomas Barton MA, CEng, FICE

After graduating from New College, Oxford Tom joined Mowlem to work on the National Westminster Tower on the day of the first concrete pour for the raft of the Tower. He went on to design the slip forming methods for the core and then supervised the construction of the tower superstructure. During this time he became a Chartered Engineer and was awarded the Telford Premium for his paper to the ICE on the slip forming.

In 1997 Tom moved to Sir Robert McAlpine and has putting trams back into Croydon with Croydon Tramlink, a major PFI project for the MOD in Colchester and the Millennium Bridge. Despite its

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early problems it is a wonderful bridge and is a fantastic example of how Construction and Civil Engineers can help development, in this case linking the more deprived Southwark right into the heart of the City. Tom has been responsible for 12 major buildings within the Square Mile.



Tom has not yet retired so he hopes that his current direct links with Industry will be of significant benefit to the Livery.

Tom has been married to Mary, a teacher, for 37 years. and live in Woking. They own a sailing cruiser which they keep on the Hamble which Mary allows Tom to sail more often than he really should.

Tom is the Immediate Past Master of the Paviers having joined the Company in 1990.

In Common Hall having been Elected by the Liverymen two New Assistants made their declarations and were welcomed to the Court

David Cooper BSc(Hons), MSc, FCIBSE, FIET, FEANI



**Professor Ric Parker FREng, BSc,
MBA, CEng, FIMechE, FRAeS**



**A VALEDICTORY MESSAGE
FROM THE IMMEDIATE PAST
MASTER, JOHN ROBINSON
FREng**

The year passes quickly in a swirl of events. At times, one feels out of control, with obligations in the Livery in direct conflict with others - but one works it out. I suppose the problem for somebody like me is that the City works on such short timescales; 6 weeks is considered a long time. It is a huge privilege. One is able to meet so many interesting people in different spheres.

Doreen and I were especially fortunate in having our year with our own Lord Mayor. Michael Bear is a charming man and brings something quite unique to the City. He has a true engineering career, working up from the bottom to a very senior position. He combines this with deep humanity, hugely respected for work at the grass roots. Perhaps the main external role of our Master is to help to get the message across, to whoever will listen, that engineering, science and innovation really do matter to the future health of our economy and society. Even that the future has to be much more than just financial services! An engineer Lord Mayor really does help.

So my honour was to be formally a member of the committee responsible for the Banquet at the Mansion

House - we delegated our powers to the professional staff in about 5 seconds! It did involve the Lighting Up Dinner (when we formally check the safety of the Guildhall ahead of the Banquet), the Silent Ceremony, and the Banquet itself. All anachronisms which, strangely, are part of the glue which hold this country together.

Our Company is in good heart. Our events were hugely enjoyable - as ever benefiting from the support, planning and hard work of our Clerk and Assistant Clerk. We had good compliments about the spirit of the Company from our guests. Many of our Liverymen put in hard work in many ways. This is the spirit of the Livery. It demonstrates again the old adage; the more you put into life, the more you get out of it.

Masters come and they go! Each tries to build on the inheritance from others by adding something of his (or her) particular skills. I have spent some time on the financial aspects of both the company and the charity - which probably need a thorough review every 10 years or so. Matters are in good shape. We can now see the charity increasing its giving to well in excess of £40k per annum with virtually no administration costs. There can be no better value for money charity than ours!



John Robinson FREng Master 2010-11

Doreen and I thank you all for the privilege, and for your support and friendship. Thank you especially to Michael West for his special ministry to us over many years. Especially best wishes to John and Judith Banyard as they will bring their unique skills to lead us, and to Peter Hartley as he begins his Chaplaincy to us

John Robinson

We congratulate Jan Lewis, who is currently a steward of the Company, on his election as President of the Institution of Mining, Metallurgy and Materials for two years from January 2011



Congratulations to Mike Inkson on being awarded the Sugar Industry Technologists Crystal Award for 2011. This is an annual award for achievement in sugar technology. In addition to running his own sugar industry company he writes all of the code which keeps the SIT web domain live and the pages on sucrose web site.

Deaths

We are sorry to report the death of John Drysdale Wilson, former Deputy Secretary of Institution of Mechanical Engineers and briefly Clerk to the Company in 1986

Golden Wedding Anniversary

New Court Assistant David Cooper has been awarded a Certificate in Community Boat Management by the National Community Boats Association. David is a volunteer skipper at the Pirate Castle Community Group in Camden, London which is a long established organisation which provides a wide range of water based activities for community groups. The certificate allows David to skipper community boats up to 24 metres in length with up to 12 passengers.

Many congratulations to Court Assistant Emeritus Ken Fergusson and his wife Beryl on celebrating their Golden Wedding Anniversary on 1st April shortly before the Installation Court. Ken reminds me that in common with so many others of us working the then tax rules to our advantage got married just before the end of the tax year. The last Saturday of the tax year in 1961 happened to be Easter Saturday and also April 1st! After surviving 50 years and 38 household moves, all but one job-driven, Ken and Beryl celebrated with all 3 of their children (together for the first time in 7 years) and 5 out of our 8 grandchildren



David (right) at the helm of 48ft Narrow Boat Persephone on the River Thames



Ken and Beryl at the Installation Court at drapers' Hall on 12th April 2011