



RCEA
(SUSSEX)

An Association for Retired Professional Engineers

NEWSLETTER

August 2010

PROGRAMME OF EVENTS 2010 / 20110 Session

14 th Sept	Tuesday	Visit: Bluebell Railway Loco Works, Sheffield Park Station.
16 th Sept	Thursday	Coffee - at Spotted Cow, Angmering
21 st Sept	Tuesday	Talk “Skylab (1973-74) - Science and Medicine in Space” by Professor Mike Whittle. Followed by Annual General Meeting.
30 th Sept	Thursday	Coffee - with Partners at Beach Hotel, Worthing
5 th Oct	Tuesday	Talk: “The Search for Weapons of Mass Destruction” By Mr Rodger Thomas
20 th Oct	Wednesday	Visit: Victoria Station Signal Box. (Box located at Clapham Junction)
21 st Oct	Thursday	Coffee - at Spotted Cow, Angmering
28 th Oct	Thursday	Coffee - with Partners at Beach Hotel, Worthing
9 th Nov	Tuesday	Cooch Memorial Lecture: “A bolt from the blue - lightning protection ” by Rev Christopher Miles, C Eng, MIET: Lightning Protection Consultant, Dioceses of Rochester & Canterbury
18 th Nov	Thursday	Coffee - at Spotted Cow, Angmering
24 th Nov	Tuesday	Visit: BAE Shipbuilding, Portsmouth Dockyard. (was Vosper Thorneycroft)

25th Nov Thursday Coffee - with Partners at Beach Hotel, Worthing

14th Dec Tuesday Talk: "RNLI New Lifeboat"

15th Dec	Wednesday	Christmas Lunch - Windsor Hotel
16th Dec	Thursday	Coffee - at Spotted Cow, Angmering
30th Dec	Thursday	Coffee - with Partners venue to be advised

11th Jan	Tuesday	Talk: "Hong Kong – from barren island to shining metropolis" by Ted Kennard.
20th Jan	Thursday	Coffee - at Spotted Cow, Angmering
27th Jan	Thursday	Coffee - with Partners at Beach Hotel, Worthing
8th Feb	Tuesday	Talk: " Magistrates in the Community"
17th Feb	Thursday	Coffee - at Spotted Cow, Angmering
24th Feb	Thursday	Coffee - with Partners
8th March	Tuesday	Talk: "Engineering Aspects of the Wey and Arun Canal Restoration" by Mr Eric Walker MBE, C Eng. Volunteer in charge of engineering aspects of the Wey and Arun Canal restoration project
17th Mar	Thursday	Coffee - at Spotted Cow, Angmering

24th March	Thursday	Northbrook Lunch
31st Mar	Thursday	Coffee - with Partners
12th April	Tuesday	Talk: "Ocean and River Cruising – new concepts" Mr Tim Johnson from Go Cruise, Chichester.
21st April	Thursday	Coffee - at Spotted Cow, Angmering
28th April	Thursday	Coffee - with Partners
11th May	Wednesday	Visit : NATS London Area Control Centre, Swanwick
19th May	Thursday	Coffee - at Spotted Cow, Angmering
25th May	Wednesday	Outing: Skittles Venue tba.
26th May	Thursday	Coffee - with Partners
16th Jun	Thursday	Coffee - at Spotted Cow, Angmering
22nd June	Wednesday	Outing: Titsey Place House and Gardens, Oxted, Surrey.
30th Jun	Thursday	Coffee - with Partners
20th July	Wednesday	Outing: Croquet, Rother Valley Croquet Club, Duncton
Date to be advised		Visit: Cruise Ship
21st July	Thursday	Coffee - at Spotted Cow, Angmering
28th July	Thursday	Coffee - with Partners
18th August	Thursday	Coffee - at Spotted Cow, Angmering
25th Aug	Thursday	Coffee - with Partners

All Talks and Meetings will commence at 2.30 pm and be held in the Chichester Room, Field Place, Worthing, unless another venue or time is indicated.

Timings for visits and outings will be as printed in the detailed description of the activity.

Coffee mornings commence at 10.30 a.m., except at The Beach Hotel, Worthing, which is from 10.45 a.m

Please note Coffee Mornings at the Beach Hotel will not continue into the New Year, the hotel is due to close in December. A new venue is required and we would welcome suggestions from Members. We need somewhere with good parking and easy access for wheelchairs. Suggestions to committee members please as soon as possible.

Website for the RCEA

As many of you may already know our Webmaster Peter Gibson passed away earlier in the year. Peter had set the web page up for us and updated it regularly over the last 5 years with photographs, newsletters and other interesting material. We will miss his expertise in maintaining the site and his work keeping the web page up to date.

Glyn Mathias has updated the web page for us for the last few months but this can only be a temporary measure.

We would therefore like to ask our members for a volunteer to take on this task permanently. All of the information for updates can be provided by e-mail so there is no need to become a committee member or attend meetings, outings, visits etc, but whoever volunteers would be welcome to join the committee if he/she desired.

For latest information and photographs, log into www.rceasussex.org.uk

Membership

Subscriptions 2010/2011

These are due on 1st October; can you please send your cheque for £12 to the Hon. Ast. Treasurer, J H Underwood, 168 Alinora Crescent, Goring by Sea, BN12 4HW (Reply slip at end of newsletter.)

New Member

New members should check the information published below for accuracy. This is the data, which will be published in the next Member's Handbook.

C. Morgan MCIQB

50 Marine Crescent, Goring by Sea, West Sussex, BN12 4JG

07905346097 charles@ouselcot.com

Charles & Jennifer

Management training with national contractor, Senior workstudy officer,

Senior building surveyor, Contract legal manager

Interests Model engineering, small inshore boating, classical music

Existing members should also check that email addresses in the handbook are correct

60th Anniversary of RCEA in November 2011.

Your committee is currently debating ideas for the celebration of the 60th anniversary of RCEA in November 2011. Favourite at the moment is a lunch

Brief Detail – Talks, Outings and other activities Sept – Dec 2010

Visit

Tuesday 14th September at 11.00am Bluebell Railway Workshops, Sheffield Park

We have arranged a visit to the locomotive workshops of the Bluebell Railway and to the works where the reproduction of the LBSC Atlantic loco is being constructed. Our party is limited to 20 due to space considerations and the party will be split in two so that a maximum of 10 are in either shop at any time.

We will meet on the main platform at Sheffield Park Station at 11.00 am.

For those who do not know the station it is situated on the west side of the A275 Lewes - Forest Row road north of Chailey on the A272. For Satnav purposes, the Post Code is TN22 3QL. There is normally very adequate car parking available.

It is anticipated that the visit will end in time for members, if they wish, to catch the 1.00pm train to Kingscote, arriving back at about 2.30. There is also a train to Kingscote at 3 pm. There is a reasonable café at Sheffield Park Station.

The cost of the visit is **£2.50**. Please return booking forms to Richard Norton before 7th Sept.

AGM and Talk

Tuesday 22 September 14:30 “Skylab (1973-4) Science and Medicine in Space” by Prof. Michael Whittle, MB, BS, BSc, MSc, PhD. (Followed by Annual General Meeting)

The Skylab space station was launched by NASA in the spring of 1973. The talk, which is illustrated by slides, describes the Skylab mission, the various experimental areas, with an emphasis on the medical experiments, and the presenter’s involvement in the project. Chichester Room, Field Place, The Boulevard, Worthing, BN13 1NP

Tuesday 5 October 14:30 Talk: “The Search for Weapons of Mass Destruction.” The Barn, Field Place, The Boulevard, Worthing, BN13 1NP

Visit

Wednesday 20 October 18.45 Visit to Victoria Signal Box (at Clapham Junction) Box (RCEA Members only) Controlling all of the train movements into and out of London’s Victoria Railway Station and in the surrounding area this is a very busy signal box. The visit has been timed to show the operation of the box just as the rush hour is finishing. Because this is a busy operational environment the numbers have to be limited and the visit is therefore only open to RCEA members.

The group will gather outside Clapham Junction Station where it will be met by our host who will escort us to the signal box. Further details will be supplied to those who will be attending the visit nearer the time.

A maximum of only 8 people can attend.

Please complete the reply slip at the end of the Newsletter. (If the visit is over subscribed it may be possible to organise more visits in the future.)

Contact: Glyn Mathias 01903 859191 or email glyn.mathias@btinternet.com

Cooch Memorial Lecture

Worthing Tuesday 9 November 14:30 A bolt from the blue – lightning protection by the Rev Christopher Miles MA, MSc, C Eng, MIET

In the mid-18th century Benjamin Franklin of Philadelphia and others successfully carried out experiments to show that static electricity and lightning have the same nature; this led to the design and installation of lightning protection of buildings. The 19th century saw lightning protection being applied to ships and the 20th century to aircraft. Modern lightning protection is applied to electrical and electronic equipment as well as buildings and people.

Chichester Room, Field Place,

Visit

Wednesday 24 November 12.45 Portsmouth Naval Base, Visit to BAE Systems Surface Ships Limited,
BAE have yet to confirm the format of visit and times but the proposal is that we arrive at Portsmouth Dockyard (actual gate to be advised as the dockyard are currently 'moving' the main gate) at 12:45 to check in, get security badges etc. Visit proper to commence at 1300.

The maximum number of visitors is 20 so attendees will be allocated on a first – come, first - served basis.

Full visit details will be supplied to attendees nearer the date.

Security:

BAE require 2 weeks to process security clearance therefore closing date for reply slips is Monday 8th November
Each attendee must supply: Full Name, Address and Telephone Number.

Additionally foreign nationals must supply Nationality and Passport Number and take passport on visit. **No cameras or mobile phones with camera capability are allowed on site.**

Location

BAE Systems Surface Ships Limited
Old Iron Foundry, The Parade, HM Naval Base, Portsmouth, PO1 3NB.

Contact: Randall Keir 01903 785952 or email randallkeir@btinternet.com

Background information

BVT Surface Fleet (BVT) was established in early 2008 and brings together the surface warship building and through-life support operations of BAE Systems and VT Group, including their joint venture, Fleet Support Limited.

BVT is the UK's leading provider of surface warships and through-life support, a world-class industrial partner for the UK Ministry of Defence (MoD) and a leader in the global export market for warships and innovative naval surface ship support.

With operations in Glasgow, Portsmouth and Filton near Bristol, we employ over 7,000 people and have the facilities, skills and partnerships to set the global standard in excellence as a trusted and innovative through-life surface ship partner in both the UK and export markets.

Key facts

We have sites at Portsmouth Naval Base and Portsdown Hill, Filton near Bristol and Govan and Scotstoun on the Clyde

We employ over 7,000 people and turnover almost £1bn

In Glasgow, we own the two largest remaining yards on the Upper Clyde.

BVT Surface Fleet brought together the great names of BAE Systems and VT Group with their previous joint venture, Fleet Support Limited (FSL), in a huge undertaking to establish the UK's leading provider of surface ships and through-life support. VT Group exited the company on the 30th October 2009 and BVT is now wholly owned by BAE Systems becoming BAE Systems Surface Ships.

BAE Systems Surface Ships provides a total concept, design, build, integration and support capability and is the only provider of naval ships and associated through-life support with a proven track record in leasing naval vessels and contracting for availability.

Our experience in military design, construction and support encompasses the whole spectrum of military vessels from Aircraft Carriers through to Rigid Inflatable Boats.

Through our long heritage, we have been at the forefront of naval shipbuilding for over 150 years. Our experience, commitment to promoting innovation and the use of cutting edge technology has allowed the business to build strong, longstanding relationships with customers around the globe.

This, combined with our logistic support capability, ship reactivation and track record of managing infrastructure and dockyard operations enables us to deliver across the entire lifecycle of a vessel.

Talk

Worthing Tuesday 14 December 14:30 Talk: "RNLI New Lifeboat" Chichester Room, Field Place,

Christmas Lunch

Wednesday 16 December, 12.00 for 12.30

This year our lunch will be held at The Windsor Hotel, Windsor Rd. Worthing. BN11 2 LX

The cost is £20.00 per head to include tip. Car parking is available in the hotel car park but is limited. A free "residents only parking ticket" can be obtained from the reception desk on request if the car park is full. Two parking places are to be reserved either side of the main entrance for the use of wheelchair guests.

Time is 1200 for 1230, places are limited at the hotel so early booking is recommended to avoid disappointment. A list will be made of late applications in case of cancellations.

Cheques, made out to RCEA, to be sent, before the 15th November, with meal choices to:

Jim Underwood, 168, Alinora Crescent, Goring by Sea. W. Sussex BN12 4HW

CHRISTMAS LUNCH MENU 2010

Leek & Potato Soup	Garnished with snipped fresh chives and croutons
Chilled Honeydew Melon	Set on raspberry and port coulis
Caramelized Red Onion and Stilton Tart	Crisp Filo tart oven baked served with a rocket salad

Traditional Roast Turkey & Honey Roasted Gammon	Served with sage and onion stuffing, Cumberland sausage & rich gravy
Rosemary & Garlic pressed Leg of Lamb	Served with redcurrant sauce
Salmon Princess	Poached Salmon finished with a white wine & asparagus sauce
Vegetarian Roasted Aubergine Roulade	stuffed with spinach, feta & roasted red pepper
Vegan_Roasted Vegetable Risotto	Risotto rice with Aubergine, butternut squash & button mushrooms

Christmas pudding	Served with Brandy sauce
Citrus Cheesecake	Finished with a sweet marmalade glaze Speciality Ice Cream

Coffee & Mints

REPORTS

Talk:

Tuesday 8 December. Constructing the New Atlantic Steam Locomotive by David Jones – Member

A large gathering, including visitors from other organisations heard how this 'new-build' project is progressing at Sheffield Park on the Bluebell Railway. David outlined how the scheme started with the discovery of a boiler from a GNR Atlantic Class locomotive, which is similar to that on the Brighton version, plus the purchase of a tender underframe previously used behind another class of LBSCR locomotive. Progress since the start of construction in 2000 was covered, with photos of the many castings and fabrications made since, being shown.

The financing of the scheme where members of the Bluebell Railway Preservation Society contribute by standing order and sponsor components was outlined, plus the inevitable sales effort involving models and second-hand railway books.

The engineering challenges caused by the decline in British industry where one cannot now obtain forgings for such items as connecting and coupling rods, were covered and solutions described. A new technique has recently become available, so these rods and other items previously forged are now being water-jet cut from blanks, which not only gives a cleaner cut but does not stress the item from heat. The manufacture of the complicated main cylinder and valve chest casting had also been a cause for concern due to the cost, so in a departure from the original 1910 drawings, these are being fabricated and welded, again from water-jet cut parts.

Castings can still be obtained quite easily in the UK, but the limited number of original drawings surviving has meant transferring dimensions from assembly prints onto CAD detail drawings so that wooden patterns, made inhouse at Sheffield Park, can be supplied to foundries. Most of the machining can subsequently be tackled at Sheffield Park except for the fluting of rods and the more complicated machining for the valve chests and the reversing screw, where firms in the Midlands have been used.

A number of questions concluded the presentation, including the inevitable 'when will it be finished?' but for a further update, a visit to the Bluebell Railway has been arranged for September 14 which will include a tour of Atlantic House where the locomotive is under construction, as well as the main Works.

Talk:

Tuesday, 13th April Bermondsey Waste Incinerator by Paul Stephenson, C.Eng.

Paul started his talk by outlining his connection with the Incinerator. When at Foster Wheeler he was closely concerned with the original design and then, several years later, after retirement, he was asked to supervise the commissioning of the plant in a consultative capacity.

In the meantime, there had been many changes to the original concept, including particularly a different site and the abandoning of the waste heat District Heating scheme. From his description of what had happened one could only be left with the impression of squabbling and in-fighting between local Councils who were jointly promoting the project.

The upshot of all of this was the successful completion of the project and successful operation, but sadly without District Heating and the installation of fan assisted air cooled condensers in its place.

Paul spoke to a series of very clear slides on Powerpoint and concluded by showing a short promotional film narrated by David Bellamy, the well-known environmentalist. He regarded persuading David to be involved with the film as quite a coup, as initially, he was opposed to the scheme.

R Norton

Visit:

Wednesday 21 April Arundel Wildlife and Wetlands Centre

Fourteen members and guests made their way to The Arundel Wetland Centre on a lovely sunny afternoon. We started our visit with a short illustrated talk by Paul Stevens the Grounds Manager who is responsible for the welfare of all the "inhabitants" and their habitat. He showed slides of many of the birds, ducks, swans etc. and some of more unexpected inhabitants like field mice.

We then walked around the extensive grounds in the sunshine enjoying all that was to be seen and most of the group took advantage of a short-guided trip on the electric boat. All in all, this was a very nice way to spend a sunny afternoon in April.

G Mathias



Outing

Tuesday, 4 May Outing to Leonardslee Lakes, Gardens and 'beyond Doll's House.

Twenty members and their guests attended the visit to these gardens. This was one of the last occasions on which the gardens were open to the public; they have now closed following the sale of the property.

We were met by Tim Loader, son of the then current owner, to be given a short presentation on the history of the house and gardens and an explanation of the layout of the gardens and what types of plant and trees we might see in each area. This short talk gave us an insight into the original garden design, the plants and trees imported from across the world to stock the extensive grounds, the plant breeding programmes embarked upon to produce the modern forms of many of the species grown in the gardens, and the current problems in terms of the maintenance and upkeep of the gardens.

Following the talk we were free to explore the gardens at our leisure and to visit the two other star attractions, the vintage motorcar display and the Doll's House. The vintage motor car display housed several turn of the 19th / 20th Century vehicles some of which are regularly seen at the Brighton London to Brighton vintage Car run each November. The Doll's House display is claimed to be the largest in existence and the extent of the display and its incredibly fine attention to detail intrigued and fascinated many of our group.

August 2009





Outing Friday, 21 May Outing to Herstmonceux Castle and Gardens

On May 21st 30 members and wives visited the castle on an exceptional summer day. We were given a professional guided tour of the castle, which is owned by a Canadian university and is only open for visits one day a week in term time.
B Buckroyd



August 2009

Historical details of the castle are given on the Internet, an abstract is given below

Castle History

The current existence of the Castle as an International Study Centre is due to the vision of Drs. Alfred and Isabel Bader. Alfred Bader, a graduate of Queen's, successful chemist, donated Herstmonceux Castle to Queen's University in the early 1990's with the idea of transforming where students from around the world could congregate to outstanding professors and each other.



(pictured at right).
and art collector,
it into a place
learn from

The rich history that surrounds the Herstmonceux Estate and the impressive structure of the Castle itself offer special appeal for students participating in ISC programs. In fact, the area shows evidence of prehistoric activity dating back as far as the Paleolithic period, over 20,000 years ago.

Herstmonceux's Written History

The Battle of Hastings on October 14, 1066, occurred just a few kilometres from the Saxon village of Herste and changed the course of world history. The first written evidence of the existence of the Herste settlement appears in William the Conqueror's Domesday Book which reports that one of William's closest supporters granted tenancy of the manor at Herste to a man named 'Wilbert'.

The Herstmonceux Name

By the end of the 12th Century, the family at the manor house at Herste had considerable status. Written accounts mention a lady called Idonea de Herste, who married a Norman nobleman named Ingelram de Monceux. Around this time, the manor began to be called the "Herste of the Monceux", a name that eventually became Herstmonceux (pronounced *Herst-mon-soo*).

Herstmonceux Castle Estate

A descendant of the Monceuxs, Roger Fiennes, was ultimately responsible for the construction of Herstmonceux Castle in the County of Sussex. Sir Roger was appointed Treasurer of the Household of Henry VI, and needed a house fitting a man of his position, so construction of a castle on the site of the old manor house began in 1441. Today, Herstmonceux Castle is the oldest brick building of any note still standing in England.

The castle was built of brick, a highly unusual material for the time in Britain, and the builders of Herstmonceux Castle concentrated more on grandeur and comfort than on defence to produce a truly magnificent estate. The property passed through the hands of a number of private owners until it was sold in 1946 to the British Admiralty, who converted it into the new home of the Royal Greenwich Observatory. The site subsequently served as an important scientific institution for over 40 years. The Estate still provides housing for the Newton Telescope and the Equatorial Telescope Buildings, which have been converted to an interactive science centre for schoolchildren.



Visit:

Wednesday 23rd June 2010: Amberley Museum and Heritage Centre

Seventeen members and wives and two guests from the IET attended this afternoon's visit to the Amberley Museum and Heritage Centre. It was a glorious day and a great location. We were met by Mr Richard Wells a museum volunteer who gave us a brief history of the site and an overview of the exhibits. We were then left to do our own thing

The site now occupied by the museum was formerly the Amberley chalk pits. From the 1840s to the 1960s chalk was quarried and burnt in kilns to make lime for mortar, decorating and agricultural use. A century ago, the limeworks was one of the largest in the region.

At first there were several producers at Amberley making lime. By 1876 John Pepper and his son John had taken over one of the businesses and by the turn of the century were the sole producers on the site, continuing until the closure of the business in 1968. Pepper diversified into the manufacture and distribution of building materials and had depots in a number of Sussex towns. The museum contains chalk pits, kilns (the main De Witt Kilns are currently undergoing restoration thanks to a lottery fund grant) and buildings from this once important industry.

The museum also houses a wide range of traditional manufacturing displays, technology exhibitions and historic rural buildings from across Sussex, far too many to list here!! (for detailed information see www.ambeylemuseum.co.uk).

Overall a great visit but unfortunately the author did not have enough time to see all of the exhibits!

R Kier

Visit Tuesday, 6 July Visit to Hardham Water Treatment Plant

Ten members and one guest made their way to the Southern Water facility at Hardham just off the A29 near Pulborough on a pleasant summers afternoon, this was in sharp contrast to a previous visit in the depths of winter some seven or eight years ago.

Our host was Sonya Dixon from the customer relations division of Southern Water who had looked after us earlier in the year when we went to the Waste Water Treatment facility at Ford. She spoke generally about Southern Water and showed a video before taking us to meet our guide.

The majority of the water is extracted from the river Rother although some comes from bore holes and work is currently underway to extract some from the river Arun which is only a short distance away. Another feed comes from Portsmouth Water Company, the volume of water provided from this source can be increased in times of water shortages. We were shown the point of extraction from the river Rother, the various filter and treatment processes, pump rooms and stand by the power plant. This was a very full and interesting visit with lots of questions and answers (and lots of exercise climbing up and down steps and ladders).

G Mathias

Outing Wednesday, 28 July Outing to Guilford Cathedral "Cathedral of the Holy Spirit."

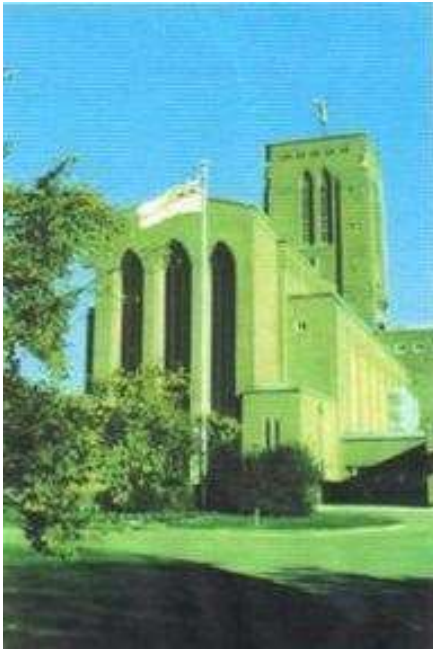
Seventeen members, partners and friends had a very enjoyable and educational, visit to the Cathedral.

Guilford Cathedral is the mother church of the Diocese of Guilford, which was created in 1927. The Diocese covers 500 square miles of Surrey, northeast Hampshire, the London Borough of Kingston and part of West Sussex. With a seating capacity of 1000, the Cathedral provides a focus for the whole community, a venue for concerts, art and education, a place of pilgrimage, as well as stillness, prayer and daily choral worship.

An Architectural contest between 132 Architects was won by Edward Maude in 1930. [He also designed the BBC Broadcasting House] The foundation stone was laid in 1936. Building work was suspended for the duration of WW11, and then delayed due to the lack of building materials, and through being of a low priority. Work was restarted in 1952, and the Cathedral was consecrated in the presence of the Queen on the 17th. May 1961.

The Cathedral is built of cast in-situ reinforced concrete on nearly a thousand concrete piles. It is faced with over a million and half bricks, made from the clay that the Cathedral stands on, whilst the interior is faced with Somerset limestone and the floor is white Italian marble. The construction lends itself to a wider than usual nave, and narrower aisles, but does not need any external buttresses. With many tall 'Lancet' windows it is extremely light and bright inside.

It has been described as being of the "Gothic/Art Deco" style. On top of the Tower, which houses 12 Bells, is a 15 foot high 'gold' Angel, that turns in the wind, and hides a cell phone radio mast.



The RCEA group met in the Chapter Room [not normally open to the public] to have a presentation by the Cathedral Advisor – Commodore Tony Lydd.

Using a slide presentation he described the management structure, and his day-to-day role in the Cathedral, i.e. the management of the estate, security, lay staff administration, Marketing and PR, the oversight of the shops and refectory. The Administrator maintains contacts with the Local and County Councils and local emergency services, the Planning Authority, as well as fellow Administrators at other Cathedrals. *[They all have a need for a wooden chair that is still comfortable to sit on after an hour, to be durable and robust, as well of being designed to be stacked safely more than four high].*

Commodore Lydd also showed us some interesting aerial photographs of the Cathedral, taken by a camera hung from a tethered balloon. Among his many concerns was random vandalism, the building has six CCTV cameras, but does not have a human presence out of hours. The damage is to windows and doors, spray graffiti on the walls, and arson in the setting fire to dried grass in the grounds. Acrylic shields now protect the windows, and graffiti is pressure washed away as soon as it is found.

After the talk we were split into two groups, and given an extensive tour of the interior and exterior, by guides who had more than fifty years of guide experience between them. Of particular interest were the thousand kneelers, each one made to a different design by local volunteers. The two Organs, located on either side of the nave, are linked by an estimated 45 kilometres of wiring. The Treasury holds not only the silver items belonging to the Cathedral, but also the silver loaned by many of the parish churches in the Diocese, that otherwise would have to be kept in a Bank vault.

J Pound

REMINDER:

RCEA members are covered by a Members’ Club Protection Policy whilst engaged in Association activities This cover does not extend to non – members and guests.

SUBSCRIPTION REQUEST: (2009/2010)

To: Treasurer, J H Underwood, 168 Alinora Crescent, Goring by Sea, BN12 4HW

Full name:.....(Block capitals)

Address.....

.....

.....

I enclose a cheque made payable to RCEA for **£.....(£12.00)**

Please return this reply slip by 1st October 2010 (Separate cheque please)

REPLY SLIP 1:

To: **Richard Norton, 106 Wallace Avenue, Worthing BN11 5QA** Tel 01903 242204, or at rwvnorton@iee.org.

I wish to attend the Visit on Tuesday 14th September at 11.00am to the Bluebell Railway Workshops, Sheffield Park

Name.....(Block capitals)
Address.....
.....
.....
.....

Phone number..... E mail address.....

I enclose a cheque made payable to RCEA for **£.....(£2.50 per person)**

Applications please by 7th Sept 2010

.....
REPLY SLIP 2

To: **Glyn Mathias, 16 Tamarisk Way, East Preston, BN16 2TF**
Telephone 01903 859191, or email glyn.mathias@btinternet.com

I wish to attend the visit to Victoria Signal Box at 18:45 on Wednesday 20th October.

Full name(Block Capitals)
Address Tel No
.....
.....
.....
e-mail address

Applications please by 1st October (Very Limited number)

.....

**INTENTIONALLY
BLANK**

REPLY SLIP 3

To **Randall Kier, 16, Shirley Close, Rustington, West Sussex. BN16 2EG** Telephone 01903 785952
or email randallkeir@btinternet.com

I/We wish to attend the visit on Wednesday 24 November at 12.45 to Portsmouth Naval Base, BAE Systems Surface Ships Limited,

Full name:.....(Block capitals)

Address.....

.....

.....

.....

Phone No..... e-mail address

Additionally, Foreign Nationals must supply **Nationality** And **Passport Number** and take passport on visit.

Please return this reply slip by 8th November 2010

.....

REPLY SLIP 4

To: Treasurer, J H Underwood, 168 Alinora Crescent, Goring by Sea, BN12 4HW

Can you please reserve me places to attend the Christmas lunch at the Beach Hotel, Worthing on Wednesday 16th December.

If you would like to be seated with another member / group can you please indicate their names.

Full name:.....(Block capitals)

Address.....

.....

.....

Telephone Number.....Name of guest/s

E mail address.....

I enclose a cheque made payable to RCEA for **£.....(£20.00) per person (Separate cheque please)**

Please indicate your menu choices below:

Name / choice

Leek & Potato Soup
Chilled Honeydew Melon
Caramelized Red Onion and Stilton Tart

Traditional Roast Turkey and Honey Roasted Gammon Rosemary &. Garlic pressed
Leg of Lamb

Salmon Princess
Vegetarian Roasted Aubergine Roulade

Christmas pudding Citrus Cheesecake
.....
Speciality Ice Cream
.....

Please. reply before 16th November

.....