



An Association for Retired Professional Engineers

NEWSLETTER

March 2008

PROGRAMME OF EVENTS April – August 2008

Every Monday 10.30 am. Coffee at the Denton Lounge, Worthing Pier.

8th April Tuesday **Visit** HDM Sealless Pumps Ltd, Eastbourne (2 pm)

17th April Thursday Coffee - at Spotted Cow, Angmering

22nd April Tuesday **Outing.** Tour of Festival Theatre, Chichester. (12.30 pm)

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

15th May Thursday Coffee - at Spotted Cow, Angmering

20th May Tuesday **Outing.** Lancing College Chapel. (2.30 pm)

29th May Thursday Coffee - with Partners at Beach Hotel, Worthing

4th June Wednesday **Visit.** Tour of facilities, Burgess Hill Triangle. 2.30pm)

20th June Friday **Outing.** Guided Tour of Parham House. (2 pm)

19th June Thursday Coffee - at Spotted Cow, Angmering

25th June Wednesday. **Outing** Tea with the President. (2.30pm)

26 th June	Thursday	Coffee - with Partners at Highdown Hotel, Worthing
9 th July	Wednesday	Outing. Boat Tour of Chichester Harbour 2.30pm
17 th July	Thursday	Coffee - at Spotted Cow, Angmering
31 st July	Thursday	Coffee - with Partners at Beach Hotel, Worthing
21 st Aug	Thursday	Coffee - at Spotted Cow, Angmering
28 th Aug	Thursday	Coffee - with Partners at Beach Hotel, Worthing

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, which is from 10.45 a.m

Please Note:

Attendance at the Beach Hotel Coffee Morning get together will in future cost £2.25 per person for all members and guests to cover the Hotel charge for the coffee and use of their facilities

Membership

New members, can you please check your detail below, this is the entry that will appear in the next RCEA handbook. If you would like to have it changed please contact Colin Pilling, Hon. Secretary.

2008 **WOOLDRIDGE M C** BSc (Eng) MIET

Holmbush Lodge, Holmbush Lane, Henfield BN5 9TJ

Mike and Chris

(01273 857322)

Graduate apprentice at Allen West, Brighton.

1970 Ministry of Technology (Computer) Technical support.

1986 CAP – Consultant - IT experience in public and private sector.

Later Managing Consultant with SEMA (later ATOS).

Interests: Renovating and Converting houseboats. Gardening.

Gliding Instructor. Member Shoreham slipways group and River Adur Conservation Society.

Website for the RCEA

For latest information log into www.rceasussex.org.uk

Peter Gibson has temporarily added a number of photographic files to the website as a trial. There are two sets of photographs, the first showing recently taken photographs of outings etc., some of which have been published in the newsletter at sometime; the second set are scanned images of an old photograph album belonging to the Association showing members at various functions from 1960 to 1990. Having proved the concept, the first set of photographs will now be modified, removing duplicates and black and white images, while the second set will remain.

If you have photographs you have taken at any of our outings or visits that you would like to add to the display could you please send Peter JPEG files of the images so that he can modify the current web file.

E-mail Address Gibsonpj@aol.com

Brief Detail Talks, Outings and other activities April - August 2008

Visit: Tuesday 8th April at 1400. Visit to HMD Sealless Pumps Ltd., Eastbourne.

This visit was originally scheduled for the 23rd October 2007 but had to be postponed due to Company commitments. Richard Norton will be contacting all who applied originally to seek confirmation of their continued interest and to give location details. There are spaces left for those who did not apply earlier and requests to join our party may be made to Richard on rwnorton@iee.org or 01903 242204.

The closing date for new applications is 1st April.

**Outing Tuesday 22nd April 12.30. Chichester Festival Theatre
(Please note revised timing)**

We have arranged an outing to view the Chichester Festival Theatre, including back-stage with a special request to see the “Technical” aspects of the theatre including what we believe to be an impressive Lighting Desk.

Tours of the Theatre usually include visiting various areas of the Theatre such as the foyer, auditorium, lighting box, sound box, dressing rooms, green room and more.

Will you please note that the visit commences at 12:30 pm. We did request our usual timing but because they are in rehearsal, they asked for the earlier time to enable them to show us more aspects of the theatre.

We are asked to meet at 12.20 pm in the main theatre foyer. It is expected that we will be there for between one and one and a half hours. There is no wheelchair access at the theatre.

There is a charge of £4.00 per person. Please complete the Application Form and send it to Richard Norton with a cheque made payable to RCEA.

The closing date for applications is 15th April.

As the location of the theatre is well known. further joining instructions are felt to be unnecessary. There is normally adequate car parking close to the theatre.

Outing: Tuesday 20 May 14.30 Lancing College Chapel

We have arranged for an Outing to Lancing College Chapel to take place at 2.30pm on Tuesday 20th May. We will be having a guided tour, and for those who can cope with the steps, an opportunity to visit the crypt. It is hoped that one or two of the Organ Scholars at the College will be available to give us a short organ recital.

Members should gather at the main door, (inside if wet).

To reach the chapel, follow the signs to Lancing College from the A27 at the Shoreham fly-over. As the chapel is very prominent, further location details will not be distributed but if any member is not sure, Richard Norton will help. There is adequate car parking near the chapel. No refreshments are available on-site but there are toilets.

There will be a charge of £2.50 per person. There is no restriction on numbers.

Closing date for applications 12th May.

Please complete the Application Form and send to Richard Norton with a cheque made payable to RCEA .

**Visit, Wednesday 4th June 2.30pm. Tour of facilities, Burgess Hill Triangle
(New Item)**

The Triangle, completed around ten years ago, encompasses a comprehensive modern leisure centre including; a competition pool; a leisure pool (partially outside) with water slide; a gym with a variety of exercise machines and weight training equipment; numerous courts for racquet sports plus studios for exercise classes.

Of particular interest is that the competition pool can be divided asymmetrically into two sections by a hydraulically operated boom. Each of the two section has independent adjustment for depth by raising and lowering of the pool floor - so that for example swimming can proceed at one end whilst aquarobic classes may be held in shallower water at the other end. It is expected that we will be able to view the depth control machinery, boilers and pool heating systems, AC equipment, chemical and bio monitoring and control together with the power systems, alarms and communication equipment.

We have no specific limit to the number of members attending this function but we do need to register our final number so they can make the appropriate arrangements.

There should be adequate parking at the centre for all. There are no parking controls or charges at present.

Location: The Triangle, Triangle Way, Burgess Hill, RH15 8WA

Please complete the reply slip at the end of this newsletter if you wish to attend.

Closing date for applications 20th May.

Outing. Tuesday 17th June, Guided Tour of Parham House.

A private guided tour of Parham House has been arranged for the afternoon of Tuesday the 17th June. After the tour members will be able to tour the gardens and church by themselves if they wish to extend their stay. The café at the house will be open for refreshments either before or after the event. The tour will last for approximately 90 minutes.

The cost will be £9.00 per person. **There is not wheelchair access in the House.**

The tour will start at 2.00 pm prompt, please allow a few minutes to walk from the car park.

Please complete the reply slip at the end of this newsletter if you wish to join the tour.

(Ideally we would like to have a party of at least 25.)

Closing date for applications 24th May.

**Outing. Wednesday 25th June 2.30pm. Tea with the President. "At Home" in East Preston. 16 Tamarisk Way, East Preston
(New Event)**

Anne and Glyn Mathias have agreed to host a garden party at their house on the afternoon of Wednesday the 25 June. The last one was a great success.

It is intended as a purely social occasion to allow members and guests to chat and relax (hopefully in the sun). Soft drinks, tea, coffee, and refreshments will be available throughout the afternoon, so why not come, meet old friends, make new ones and enjoy an English Garden Tea.

The cost will be £2.50 per person to cover catering for the refreshments and drinks. Any surplus will be retained in the Association funds.

If you are coming, it would be helpful if you could bring a folding garden chair, since these may be in short supply.

If you would like to attend please return reply slip at the end of this newsletter

Closing date for applications 12th June

Outing. Wednesday 9th July 2.30pm. Boat Tour of Chichester Harbour

A tour of Chichester Harbour by boat has been arranged for the afternoon of Wednesday the 9th July. We shall be able to see some of the wide variety of habitats along the 48 miles of shoreline, which includes sand dunes, mudflats and shingle banks. This area is a valuable refuge for sea birds and other wild life. For those who wish to; lunch can be taken at a nearby hostelry, prior to the trip. The tour departs from Itchenor Harbour and will last approximately 90 minutes.

The cost for this tour will be £6.50 per person including a £2.50 non-returnable deposit.

Please return reply slip on last page if you wish to attend. Closing date for applications 10th June.

An Explanation of RCEA Members Professional Suffix Letters

Introduction

A look at the RCEA Members Handbook will reveal that the membership covers an extremely wide range of professional interests. In many instances this includes easily recognised academic qualifications and membership of one of the senior Civil, Mechanical or Electrical Engineering Institutions. Many members though have post-graduate academic qualifications and/or also belong to other more specialised or non-engineering organisations whose membership letters are less well known outside their particular specialisation. These lists have been produced to aid the identification of the academic and professional qualifications appearing in the 2007-2008 Members Handbook, and are presented in alphabetical order. It is intended to produce brief notes about all the professional bodies listed at a later date.

Academic Qualifications

ACGI	Associate of The City and Guilds of London Institute
AKC	Associateship of Kings College
Amet	Associate of Metallurgy
ARCSc	Associate of the Royal College of Science
BA	Bachelor of Arts
BSc	Bachelor of Science
Bmet	Bachelor of Metallurgy
CDipAF	Certified Diploma in Accounting and Finance
DIC	Diploma of Imperial College
DEng	Doctor of Engineering
DFH	Diploma of Faraday House
Dipl.Ing	German traditional engineering degree, equiv to Master Degree level
DMS	Diploma in Management Studies
MA	Master of Arts
MBA	Master of Business Administration
MSc	Master of Science
MEng	Master of Engineering
PhD	Doctor of Philosophy
Wh.Sch	Whitworth Scholar
Wh.Ex	Whitworth Exhibitioner

Professional Memberships and the Professional Institutions represented

AMIMechE	Associate Member of the Institution of Mechanical Engineers
ARSH	Associate of the Royal Society of Health
CGAI (Hon)	Honorary Member of the Corporate Governance Association of Ireland
CGIA	City and Guilds of London Insignia Award
C.Eng	Chartered Engineer registered with the EC(UK)
CITP	Chartered IT Professional (BCS)
CPhys	Chartered Physicist (IOP)
Eur Ing	Chartered Engineer on the register of the European Federation of National Engineering Institutions (FEANI)
FCIWEM	Fellow of the Chartered Institution of Water and Environmental Management
FCMI	Fellow of the Chartered Management Institute
FEI	Fellow of the Energy Institute
FICE	Fellow of the Institution of Civil Engineers
FIChemE	Fellow of the Institution of Chemical Engineers
FCIBSE	Fellow of the Chartered Institution of Building Services Engineers
FIEE	Fellow of the Institution of Electrical Engineers
FIET	Fellow of the Institution of Engineering and Technology
FIGasE	Fellow of the Institution of Gas Engineers
FIGEM	Fellow of the Institution of Gas Engineers and Managers
FIHT	Fellow of the Institute of Highways and Transportation
FIMC	Fellow of the Institute of Management Consultants
FIMechE	Fellow of the Institution of Mechanical Engineers
FInstD	Fellow of the Institute of Directors
FInstEnergy	Fellow of the Institute of Energy
FinstFuel	Fellow of the institute of Fuel
FInstMC	Fellow of the Institute of Measurement and Control
FInstMgt	Fellow of the Institute of Management
FIPlantE	Fellow of the Institute of Plant Engineers
FIProdE	Fellow of the Institution of Production Engineers
FIQA	Fellow of the Institute of Quality Assurance
FIRSO	Fellow of the Institute of Road Safety Officers
FIStructE	Fellow of the Institution of Structural Engineers
FREng	Fellow of the Royal Academy of Engineering
FRICS	Fellow of the Royal Institution of Chartered Surveyors

FRSA	Fellow of the Royal Society of Arts
FRSH	Fellow of the Royal Society of Health
FRTPI	Fellow of the Royal Town Planning Institute
FSE	Fellow of the Society of Engineers
IMMM	Institute of Materials, Minerals and Mining
ISO	International Standards Organisation
MACM	Member of the Association for Computing Machinery (USA)
MAPM	Member of the Association for Project Management
MASCE	Member of the American Society of Civil Engineers
MASQC	Member of the American Society for Quality
MBCS	Member of the British Computer Society
MCIBSE	Member of the Chartered Institution of Building Services Engineers
MCIT	Member of the Chartered Institute of Transport
MCMi	Member of the Chartered Management Institute
MIArb	Member of the Institute of Arbitrators
MICE	Member of the Institution of Civil Engineers
MIChemE	Member of the Institution of Chemical Engineers
MconsE	Member of the Association of Consulting Engineers
MIED	Member of the Institution of Engineering Designers
MIEE	Member of the Institution of Electrical Engineers
MIEEE	Member of the Institute of Electrical and Electronics Engineers (USA)
MIET	Member of the Institution of Engineering and Technology
MIGasE	Member of the Institution of Gas Engineers
MIGEM	Member of the Institution of Gas Engineers and Managers
MILT	Member of the Chartered Institute of Logistics and Transport
MIM	Member of the Institute of Management
MIMarEST	Member of the Institute of Marine Engineering, Science and Technology
MIMechE	Member of the Institution of Mechanical Engineers
MIMgt	Member of the Institute of Management
MIMunE	Member of the Institution of Municipal Engineers
MInstP	Member of the Institute of Physics
MINucE	Member of the Institution of Nuclear Engineers
MIOSH	Member of the Institution of Occupational Safety and Health
MRAeS	Member of the Royal Aeronautical Society
MRICS	Member of the Royal Institute of Chartered Surveyors
MIStructE	Member of the Institution of Structural Engineers
MIWE	Member of the Institution of Water Engineers and Scientists

MWeldI Member of the Welding Institute
P.Eng Registered Professional Engineer through membership of The Society of Engineers (UK) or by local registration outside the UK.

(Thanks to Jim Cockburn, Member, for compiling the above information for us.)

Incidentally, the IET (formally the IEE) issued the following statement on 10th August 2007.

The Privy Council issued an Order of Council which approves a regulation of the I E T that: "Every member of the IET who prior to 6 June 2002 was entitled to use the title of Chartered Electrical Engineer may for as long as he remains a member of the Institution continue to use that title."

REPORTS

Talk: Tuesday 8 January, 1430 Field Place, Worthing

Oil Industry Disaster Planning by Malcolm Phillips.

The speaker had worked for BP for 22 years, for Bechtel for 5 years, and then had formed a Partnership devoted to Oil Industry Disaster planning. He was now semi-retired, only giving four lectures a year, usually of a week's duration, to employees of the Oil Industry around the world. Recently most of his lectures had been given in the Near East.

Mal had originally obtained a degree in Instrumentation Control, and had been involved in designing Safety Systems, from this he had moved into Disaster Planning.

His talk to the RCEA was based on his training lectures, but because of time constraints he could only cover a small part of this work. Buncefield, Flixborough, and Bhopal were mentioned in passing.

However the speaker wanted to concentrate on Oil Refinery Fires, and he used audio and video clips to vividly illustrate his points.

The two specific fires Mal chose to discuss were the Number 11 tank fire at Pembroke, and a large oil refinery fire in Mexico.

From these events the speaker showed how an Oil Industry Disaster Plan Cycle could be developed:-

- **Identify the Hazard.**
- **Reduce the risks [in practice the risk is to be as small as reasonably possible]**
- **Establish Scenarios - Develop Strategies.**
- **Write Emergency Plan.**
- **Establish Command and Control Facilities.**
- **Ensure Adequate Emergency Response Facilities Exist.**

The type of Hazards that should be considered at an Oil Refinery were:-

- **Fire and Explosion.**
- **Loss of Containment.**
- **Toxic Gas.**
- **Collisions.**
- **Structural Failure.**
- **Spills.**
- **Natural Disaster.**
- **Health - Food poisoning.**

Putting together and writing an **Emergency Response Plan** could take up to two and a half years and should at some stage involve all of the employees on the site. It also required a considerable commitment of time and money on the part of Senior Management

From the site management employees an **Emergency Response Team** of 5 to 7 people would be created, - it would deliberately exclude the Head of the Site [Site Manager] and the Head of HR. Their function would be to deal with off-site Senior Members of the Company and with the Media. They would be kept informed of the progress of the Incident by listening in to the electronic audio and video transmissions from the Dedicated Command Centre, and would also be available for consultation with the Leader.

The **Emergency Response Team** would have an **E.R.T. Leader**, who is given absolute authority and responsibility during the incident. The team itself would be made up of senior members of the organisation with specific knowledge of the site set-up. For instance there would be an appropriate member from HR, Operations, Engineering, Distribution and Marketing.

The **E.R. Team** would be working in a **Dedicated Command Centre**, which would be fitted with at least one PC per person, preloaded with all the relevant information for their speciality. These PC 'stations' would be set in U shaped pattern with clear line of sight of large screen TVs that would show the incident in real time. On the wall at the open end of the U would be a large Digital clock so they all worked to the same time reference.

The **Dedicated Command Centre** would be fitted with its own telephone lines, and where appropriate radio channels, for contact with the Local Authority, Fire and Hospital/Ambulance Headquarters.

All communications, both in and out of the **Dedicated Command Centre** will be recorded permanently, both for the record, and for the obligatory de-briefing and review, after the incident has been completed.

The **Emergency Response Team** have to train and retrain, to refine, or to modify the **Emergency Response Plan**, where necessary, using simulated incidents. This means that if and, when a real incident occurs their actions and reactions will have been worked out in detail, and rehearsed so as to speedily minimise the impact of the incident on the Site, the Environment, their fellow employees, as well as the Image, and Viability of their Company.

J Pound

REPLY SLIP 1:

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

I/we wish to join the **Visit to HMD Sealless Pumps Ltd., Eastbourne on Tuesday 8th April at 1400 hours.**

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

Address.....

.....

.....

e-mail address

Phone No......

Please return this reply slip by 1st April

RCEA members are covered by a Members' Club Protection Policy whilst engaged in Association activities. Please be advised that this cover does not extend to non – members and guests.

REPLY SLIP 2:

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

I/we wish to join the **Outing on Wednesday 22nd April** for a Tour of the Festival Theatre, Chichester. 12.30 pm start.

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

Address.....

.....

.....

e-mail address

Phone No......

Number of Persons.....

Name of guest/s.....

Please return this reply slip by 15th April

I enclose a cheque made payable to RCEA for **£.....(£5.00 per person)**
(Separate cheque please)

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REPLY SLIP 3:

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

I/we wish to join the **Outing: Tuesday 20 May 2.30 pm. Lancing College Chapel**

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

Address.....

.....

.....

e-mail address

Phone No.....

Number of Persons.....

Name of guest/s.....

Please return this reply slip by 12th May

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

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REPLY SLIP 4:

**To: Glyn Mathias, 16 Tamarisk Way, East Preston, Littlehampton, BN16 2TL,
(telephone 01903 859191). glyn.mathias@btinternet.com**

I wish to attend the **Tour of the Burgess Hill Triangle on Wed 4th June at 2.30pm.**

Full name.....(Block capitals)
Address.....
.....
.....
Number of Persons.....
Phone No..... **Name of guest/s**.....

Applications please by 20th May

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REPLY SLIP 5:

**To: Glyn Mathias, 16 Tamarisk Way, East Preston, Littlehampton, BN16 2TL,
(telephone 01903 859191). glyn.mathias@btinternet.com**

I wish to attend the **Afternoon Tea with the President “At Home” in East Preston on
Wednesday 25th June at 2.30pm.**

Full name.....(Block capitals)
Address.....
.....
.....
e-mail address **Number of Persons**.....
Phone No..... **Name of guest/s**.....

**Please return this reply slip by 12th June with a cheque made payable to RCEA
for £.....(£2.50 per person) (Separate cheque please)**

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REPLY SLIP 6:

To: Ken Lane, 17, Fox Lea, Findon, Worthing, BN14 2DE. Tel 01903 601767

I/we wish to join the **Outing for a Guided Tour of Parham House on Tuesday the 17th June, at 2.00pm.**

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

Address.....

.....

.....

Number of Persons.....

Phone No.....

Name of guest/s.....

Please return this reply slip by 24th May with a cheque made payable to RCEA for £.....(£9.00 per person) (Separate cheque please)

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.

REPLY SLIP 7:

**To Brian Buckroyd, 6 Fosters Close, East Preston, Littlehampton BN16 2TL
Tel 01903 784926 or at brianbuckroyd@hotmail.com**

I/We wish to join the **Boat Tour of Chichester Harbour on Wednesday the 9th July 2008, at 2.30pm. .**

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

Address.....

.....

.....

Number of Persons.....

Phone No.....

Name of guest/s.....

I enclose a cheque made payable to RCEA for **£.....(£6.50 per person) (Including a non-returnable deposit of £2.50 as required by the tour operator)**

Please return this reply slip by 10th June 2008.

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.