



An Association for Retired Professional Engineers

NEWSLETTER

2003/2004 PROGRAMME OF EVENTS

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

14 th Oct	Tuesday	Royal Air Force Presentation Team 2.30 pm the Barn, Field Place, Durrington, Worthing
16 th Oct	Thursday	Coffee - at Spotted Cow, Angmering
30 th Oct	Thursday	Coffee - with Partners at Beach Hotel, Worthing
11 th Nov	Tuesday	Visit and Talk 2.30 pm Fordingbridge plc. Fontwell,
19 th Nov	Wednesday	51st Annual Dinner , Beach Hotel
20 th Nov	Thursday	Coffee - at Spotted Cow, Angmering
27 th Nov	Thursday	Coffee - with Partners at Beach Hotel, Worthing
28 th Nov	Friday	Cooch Memorial Lecture “ Nuclear Energy-safe, reliable generation.” A lecture by Stuart Crooks, Deputy Station Director at Dungeness B power station, 2.30pm lecture theatre, Worthing Library.
9 th Dec	Tuesday	Talk - “ Small Satellite Engineering.” by Peter Hurley, Technology Transfer Manager, Surrey Satellite Technologies Ltd., Surrey Space Centre, University of Surrey. 2.30 pm Field Place,
18 th Dec	Thursday	Coffee - at Spotted Cow, Angmering

2004

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

13 th Jan.	Tuesday	Talk: "Ships Hulls since Cheops." James Paffett (Member) 2.30 pm Field Place, Durrington, Worthing.
15 th Jan	Thursday	Coffee - at Spotted Cow, Angmering
20 th Jan	Tuesday	Visit: Surrey Satellite Technologies Ltd., the Surrey Space Centre, 2.30 pm at the University of Surrey.
29 th Jan	Thursday	Coffee - with Partners at Beach Hotel, Worthing
3 rd Feb	Tuesday	Outing: 2 pm Glyndebourne Opera House.
10 th Feb	Tuesday	Talk: "Royal Armouries, Fort Nelson" by Nicholas Hall, Keeper at the Museum. 2.30 pm Field Place, Worthing
19 th Feb	Thursday	Coffee - at Spotted Cow, Angmering
26 th Feb	Thursday	Coffee - with Partners at Beach Hotel, Worthing
9 th Mar	Tuesday	Talk: "New Trains for the South East" by Philip Dee of Angel Trains. 2.30 pm Field Place, Worthing.
16 th Mar.	Tuesday	Visit: Rolls Royce, Goodwood (Still to be confirmed).
18 th Mar	Thursday	Lunch - Northbrook College (Still to be confirmed).
25 th Mar	Thursday	Coffee - with Partners at Beach Hotel, Worthing
7 th Apr.	Wednesday	Outing: 2.30 pm Tangmere Military Aviation Museum
15 th Apr	Thursday	Coffee - at Spotted Cow, Angmering
29 th Apr	Thursday	Coffee - with Partners at Beach Hotel, Worthing
12 th May.	Wednesday	Outing: 2.30 pm Bluebell Railway and Sheffield Park Gardens, East Sussex.
20 th May	Thursday	Coffee - at Spotted Cow, Angmering
27 th May	Thursday	Coffee - with Partners at Beach Hotel, Worthing
6 th Jun.	Sunday	Outing: 2.30 pm British Engineerium, Hove.
16 th Jun.	Wednesday	Outing: 2.30 pm Borde Hill Gardens, Haywards Heath.

17 th Jun	Thursday	Coffee - at Spotted Cow, Angmering
24 th Jun	Thursday	Coffee - with Partners at Highdown Towers, Worthing
14 th Jul.	Wednesday	Outing: 2.30 pm Brooklands Museum
15 th Jul.	Thursday	Coffee - at Spotted Cow, Angmering
29 th Jul.	Thursday	Coffee - with Partners at Highdown Towers, Worthing
19 th Aug.	Thursday	Coffee - at Spotted Cow, Angmering
26 th Aug	Thursday	Coffee - with Partners at Beach Hotel, Worthing

All Talks and Meetings will be 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 and on the appropriate reply slips.

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

New Members

We welcome the following four new members:

Roy Page	BSc(Eng) (Lond) MICE
Jim Underwood	MIEE
Peter Gibson	FIEE
John Pound	MIMechE

Subscriptions for 2003 / 2004

These are due on 1st October. Please send your cheque for £12 to the Hon. Treasurer, B. Buckroyd, 6 Fosters Close, East Preston, BN16 2TL. New members, who joined after 31st March, please note that their subscription already paid is valid until 31st August 2004.

Brief Detail – Talks and Outings - for the 2003/2004 Session

Talk

**Tuesday 14 October 2003 2.30 pm The Barn, Field Place, Durrington, Worthing
Royal Air Force Presentation Team**

A professional, multi-media presentation by the above R.A.F. Team, illustrating the roles, equipment and personnel of the modern RAF.

This will be a **major RCEA event** and needs your support. The presentation will be of general interest to members and partners. We will be inviting other interested groups in the Worthing area to join us for this afternoon to ensure we utilize all of the seating area in The Barn. Non-members (i.e. those from outside organisations) will require tickets.

Please support this function, we need a good attendance to ensure we can arrange similar talks and presentations in the future

Visit

Tuesday 11 November 2003 2.30 pm. Fordingbridge plc. Fontwell, Arundel, West Sussex.

A visit to a medium sized engineering company, specialising in the design and manufacture, of curved roof buildings, for markets such as the horticultural industry and garden centres. The visit will include a talk by the Managing Director, Edward Way.

Directions to Fordingbridge Engineering

From Worthing and the East:

Take A27 past Arundel and turn off left at sign “Engineering Works”, just before the curve to the first Fontwell roundabout.

From the West – Bognor and Chichester:

After the Fontwell by-pass, take the A27 towards Arundel and after approximately 0.5 Mile make a U-turn at the Avisford Park Hotel to follow the A27 westbound to “Engineering Works”. Turn off as above. Fordingbridge Engineering is the “Engineering Works”.

If you would like to attend can you please complete the reply slip at the end of this Newsletter

51st Annual Dinner, Beach Hotel Worthing

The Annual Dinner will be held at the Beach Hotel, Worthing on Wednesday, 19th November, 7 for 7.30 p.m. Dress - dinner jacket or lounge suit. Cost, £25 each, including wine with the meal.

The menu will be:

Warm melon with crispy bacon and hollandaise sauce or Tomato soup with basil

Traditional roast chicken served with stuffing, chipolata and cranberry sauce and vegetables

Christmas pudding with brandy sauce or Fresh fruit salad or Cheese and biscuits

Coffee and mints

Please return the reply slip at the end of this newsletter with your choice of starter and sweet not later than 6th November.

Record your choice of starter here for your own records :

Number of Soup.....

Number of Melon.....

Number of Christmas Pudding

Number of Fresh Fruit Salad

Number of Cheese and Biscuits

If anyone requires a vegetarian meal, please indicate on the reply slip.

An application form is attached at the end of this Newsletter

The Cooch Memorial Lecture

Friday 28 November 2003 2.30 pm. Lecture Theatre, Worthing Library, Worthing.

Nuclear Energy-Safe, Reliable Generation.

A lecture by Stuart Crooks, Deputy Station Director at Dungeness B Power Station, using Dungeness B as his model.

Talk

Tuesday 9 December 2003 2.30pm Field Place, Durrington, Worthing.

Small Satellite Engineering.

A talk by Peter Hurley, Technology Transfer Manager, Surrey Satellite Technologies Ltd., Surrey Space Centre, University of Surrey. SST Ltd., is a world leader in the design and manufacture of small satellites. It has built over 20 satellites, with a further three to be launched in July 2003. Satellites and sub-systems have been supplied to NASA, USAF and the European Space Agency. (See also 20 Jan. 2004).

Talk

Tuesday 13 January 2004 2.30 pm Field Place, Durrington, Worthing.

Ships Hulls since Cheops.

A talk by James Paffett (Member). The creations of Design Engineers have been dependent upon the materials available. This is well illustrated in ship construction, where wood was the main material for most of the 5000 recorded years, metals being used as tools and fastenings. Metals became the main ship building material during the last 200 years, with synthetic materials used increasingly in the latter half of the last century. The characteristics and problems associated with the various materials will be discussed and the human aspects of shipbuilding practice are mentioned.

Visit

Tuesday 20 January 2004 2.30 pm University of Surrey, Guildford.

Small Satellite Engineering.

A visit to Surrey Satellite Technologies Ltd., at the Surrey Space Centre, University of Surrey, following Peter Hurley's talk on satellite December 9th 2003. This purpose designed facility contains research laboratories, clean room and manufacturing areas. The 150 staff of engineers and scientists are organised in groups, each responsible for a particular satellite system. A fully autonomous ground station is incorporated within the Space Centre.

We have been promised a detailed tour of the facility guided by engineers.

The centre is located at the University of Surrey and a provisional booking has been made for a mini-bus from Worthing to Guildford and return; the booking will be confirmed if sufficient members make a reservation. It is intended that there will be a single pick up point in Worthing where adequate car parking space exists and it is possible, if required that pick up can be arranged outside of Worthing on the direct route.

An application slip for the visit will be found at the end of this newsletter, it includes a space to reserve a seat on the mini-bus. The seats (of which, there are 14) will be allocated on a first come first served basis and application must be accompanied by a cheque for the cost of £8.00 per person, but cheques will not be banked until numbers are sufficient and the booking can be confirmed.

Directions for those traveling by car or public transport will be provided on an individual basis in early January 2004

Outing

Tuesday 3 February 2004 2.00 pm Glyndebourne, Lewes, E. Sussex.

Glyndebourne Opera House.

An outing consisting of a guided tour of the of one of the world's leading opera houses completely re-built and modernised in recent years. The tour will cover front of the house and backstage facilities, and take approx two hours, including refreshments and a visit to the shop. There will be a few stairs to negotiate, so the tour regrettably is not suitable for persons in wheelchairs.

Such tours take place in only two weeks in any year, with a correspondingly extended waiting list. The RCEA have been fortunate to obtain this booking.

This visit will be preceded by lunch at the Trevor Arms at noon for those who are interested - see reply slip.

Directions to Glyndebourne Opera House.

If travelling from the west, take the A27 and remain on it, using the Lewes bypass. After the bypass, remain on the A27, over the level crossing and over the next roundabout. After approx 1 mile, take the left turn, signposted Glynde, Glyndebourne and Ringmer. Follow the road into Glynde. Just before the rail station, on the left is the Trevor Arms, with its car park immediately before the inn (see reply slip). Proceed out of Glynde to Glyndebourne, approx 2 miles. Use the entrance on the right marked car park.

For those traveling through Lewes, take the A26 signposted Uckfield. Just outside Lewes, take the right fork, B2192 signposted Ringmer. After approx 1 mile, just before Ringmer, take the right turn signposted Glyndebourne and Glynde. Follow this for approx 1 mile to Glyndebourne where the car park is on the left.

The cost of the tour is £6-50 per person. Those members wishing to take part in this outing are requested to complete and return the reply slip at the end of this Newsletter.

Talk

Tuesday 10 February 2004 2.30 pm Field Place, Durrington, Worthing

Royal Armouries, Fort Nelson.

A talk by Nicholas Hall, Keeper, Royal Armouries, Fort Nelson. Fort Nelson houses one of the three Royal Armouries, together with the Tower of London and Leeds. The talk will cover the historical background to the extensive fortifications around Portsmouth, including Fort Nelson. The restoration of the site by the Royal Armouries, its conversion

into an attraction, with original emplacements, galleries and barracks will be covered with an engineering emphasis. Current events and future plans will be discussed. This talk follows a successful RCEA visit during the preceding season.

Talk

Tuesday 9 March 2004 2.30 pm Field Place, Durrington, Worthing.

New Trains for the South East

A talk by Philip Dee of Angel Trains. New trains are being delivered to the South East region. They represent a quantum leap in technology and passenger comfort compared with the trains they are replacing. The talk will outline the developments in traction technology, the issues involved and challenges presented when introducing new trains.

Northbrook College – Lunch

Thursday 18th March 2004 – Annual Lunch at Northbrook College, Worthing.

Lunch has been arranged at our usual venue with space for 50 members and guests. The cost will be £8:00.

A reply slip for this event will be published in the next Newsletter.

Visit

Tuesday 16 March 2004 Goodwood, Sussex. Rolls Royce Ltd.

It is hoped to arrange a visit to the new production facility at Rolls Royce Ltd.,

Details will published when this can be confirmed. Currently, Rolls Royce will not commit themselves until the New Year

2004/5 Programme of Events

The Committee is currently looking for suggestions for next year's programme. We need to fill the programme with up to six papers, six visits and four or more outings. If you have any suggestion for such an event that you feel would appeal to members and guests we would appreciate a call.

If anyone would like to present a paper, either a short part session one, or one that could fill a complete afternoon, we would like to discuss the outline ideas to see where and how the paper could fit into the overall programme. (We already have one or two volunteers and these members will be contacted in the near future to discuss their proposals.)

REPORTS

Summer Garden Party

The Summer Garden Party held at the home of Ann and Glyn Mathias was attended by 40 members / guests. Rain threatened to spoil the event but held off until later in the day. Everyone appeared to enjoy themselves. Our thanks must go to Ann for all her hard work preparing the food for a most enjoyable tea and to Glyn for organizing the event and the work in preparing the garden for such an influx of people.



Ham Manor Golf Club Lunch

Thirty-two members and guests attended this function at the Ham Manor Golf Club. The meal was excellent and drinks etc. from the bar most reasonably priced. This was a new venture for the RCEA and it appeared to be appreciated by all who attended. Thanks go to

Oscar Lines, a member at the club, who sponsored our visit. On this basis, another function of this type may be arranged for next year – your feedback would be appreciated.

RCEA AGM

Thirty-four members attended the AGM on Tuesday September the 9th at Field Place. After the business of the meeting had concluded, Glyn Mathias gave a short presentation outlining his career in the telecommunications industry from joining BT (formerly the Post Office) in 1964 as a “Youth-in-Training” through to his retirement in 1996.

Normally, the AGM minutes would be circulated immediately prior to the next AGM. However, because a number of changes to the RCEA rules were agreed at the last AGM, it has been decided to include a copy of the DRAFT minutes for that meeting in this Newsletter. Members who could not attend the meeting will therefore have the opportunity to see how these changes are to be incorporated into the Association rules earlier than they would have been the case for normal publication dates.

RCEA (SUSSEX)

An Association for Retired Professional Engineers

52nd Annual General Meeting held in the Chichester Room, Field Place Tuesday 9th September 2003 @ 2.30 pm

Minutes of the Meeting

1. Apologies for Absence

Messrs. Bannister, Laird, Mole, Litherland, Winfield, Morley, Harvey, Lewis, Parsons, N Warr, Olley, Little, Collard, Dudley, Simmons and Sir Peter Seligman.

2. Minutes of the AGM held 10th September 2002

Minutes were approved.

3. Matters Arising

None.

4. Treasurer's Report

The Treasurer pointed out that the accounts were showing a small deficit. Audio equipment had been purchased and there were 2 donations made of £100 and £25. The subsidy for the Annual Dinner was questioned and a view held that if there is to be a subsidy in the future then it should be limited to around £100.

The Treasurer's report was proposed by K Wheeler, seconded by R Norton and agreed by the meeting.

5. Secretary's Report

The Secretary informed the meeting that there had been 3 further applications to join the Association since the report had been produced, Messrs. Gibson (PJ), Page and Underwood bringing the current membership to 105.

Membership has varied between 100 and 117 over the last 10 years with the highest being in 2000. Membership has been declining each year since then.

Members were asked to inform the Secretary if they wished to have a replacement name badge.

The Secretary's report was agreed by the meeting.

6. Annual Subscription

The meeting agreed that the £12.00 annual subscription should remain.

7. Changes to the Rules of the Association.

The IEE now does not have the class of corporate member. There are three classes within the EC(UK): CEng, IEng and Engineering Technician. Many felt that it is reasonable to view the CEng and IEng classes as professional Engineers but that Engineering Technicians should not be seen as professional Engineers.

J Buckland was concerned that change is being driven, unnecessarily in his view, by the IEE.

The changes to the Rules will allow those who have chosen not to become corporate members in the past to apply to join. Thus these retired Engineers will now be able to be considered for membership of the Association.

When asked why the Association wants new members the President replied that the changes were needed for there to be a continuation of the Association. The Committee wants the Association to stay at around the same level of membership as has existed over the last few years. Many members echoed this view.

C Pilling stated that the current Committee consisted of several members who had joined the Committee soon after joining the Association. The opportunity to find new committee members is therefore likely to come from new members.

B Thompson asked why the name should retain the 'C' since it would be meaningless. Others took the view that it was reasonable to have a title consisting purely of letters without defining their meaning.

C Pilling gave the result of the recent postal ballot as being 37 'For' and 7 'Against'. The ballot was not recognised as a vehicle for changing the rules since this can only be done at an AGM (Rule 9).

Some members wanted to vote on whether there should be a vote at all. However, the President, with the full backing of the Committee, insisted that the vote needed to be taken and in the order given in the papers provided for the meeting.

Voting

Change to Rule 3 25 in favour, 10 against.

Prior to the vote, the President acknowledged that a Vetting Panel may be necessary in cases where a potential member's application did not accede clearly to the Rules.

Changes to Rule 2a 21 in favour, 8 against.

Changes to Rule 1 19 in favour , 8 against.

(NB. There were 34 members who had signed the Attendance Register on the day)

The Rules will therefore be changed in accordance with the vote and read as follows:

Rule 1 The name of the Association shall be:

RCEA
(SUSSEX)

An Association for Retired Professional Engineers

Rule2 (a) To bring together retired Professional Engineers, and, by lectures and visits to local engineering works, maintain links with developments in engineering technology

Rule 3. The association is based in Sussex. Membership is open to retired engineers who at the time of retirement were Professional Engineers. 'Professional Engineer' being defined, for the purposes of this rule, as a Chartered Engineer, an Incorporated Engineer or an engineer who had held a senior professional post in an engineering environment and who has degree equivalent qualifications. Any who are of normal retiring age but who are still employed on a part time basis are accepted as retired.

8 Election of Officers and Committee for the year 2003/4

The meeting was made aware of the difficulties being experienced in finding a new Vice President even though the task is currently less onerous, since the programme is handled by the Committee as a whole under a Programme Coordinator.

The new Committee and Auditor were voted for and carried en bloc by the meeting as follows –

President	G Mathias
Vice President	Vacant
Secretary	C Pilling
Assistant Secretary	R Norton
Treasurer	B Buckroyd
Assistant Treasurer	H Rummeli
R Wort (Newsletter Editor)	
S Renew	
C Harrison (Programme Coordinator)	
K Lane	

Auditor - E T Besley

9. President's Address

The President gave a brief summary of his career from 1964 to 1996 with BT.

10. AOB

There was none

The meeting ended at 16.20.

Reply Slips: -

To: R.W.V. Norton

106 Wallace Avenue, Worthing, BN11 5QA

Tel. 01903 242204.

I wish to participate in the visit to Fordingbridge plc. Fontwell, Arundel, West Sussex, on Tuesday 11 November 2003. Visit starts at 2.30 pm.

Full Name(Block capitals)

Address
.....
.....

Phone No.....

Applications by 31st October 2003

To: B. Buckroyd,

6 Fosters Close, East Preston, BN16 2TL

Tel: 01903 784926

Please reserve.....places for me at the 52nd Wednesday 19th November, 2002 at the Beach Hotel, Worthing. 7 pm for 7.30 p.m.

My guests will be

.....

I/we would like to sit with..... who have agreed to make a reciprocal request

I enclose my cheque for £.....(£25 per person) payable to R.C.E.A.

MENU CHOICE :

Number of melon.....

Number of soup.....

Number of Christmas Pudding

Number of Fresh Fruit Salad

.....

Number of Cheese and Biscuits

NAME(Block capitals)

Phone No.....

Please note, no tickets will be issued

Applications by 1st November, 2003

Intentionally Blank

**To: R.W.V. Norton 106 Wallace Avenue, Worthing, BN11 5QA
Tel. 01903 242204.**

I wish to participate in the visit to the Surrey Satellite Centre, Guildford , on Tuesday 20th January 2004 Visit starts at 2.30 pm.

Full Name (Block capitals)

**Address
.....
.....**

Phone No..... Applications by 6th January 2004

Please reserve places on mini-bus – Cost £8.00 per person (Cheque to be made payable to RCEA)

OR

I will travel by independent means. I will have space in my car for passengers.

To: Colin Harrison, 41 Cluny Street, Lewes, E. Sussex BN7 1LN

I/we wish to join the outing to Glyndebourne on Tuesday 3 February 2004.

Full name.....(Block capitals)

**Address.....
.....
.....**

Phone no..... Applications by 31December 2003.

I enclose a cheque made payable to RCEA forat £6-50 per person.

I/we wish to join members at the Trevor Arms for lunch at noon.

Please indicate No.

Members joining for lunch will be sent a menu in advance.