



NEWSLETTER

**RETIRED CHARTERED
ENGINEERS ASSOCIATION
WORTHING**

Hon. Secretary: S. Oliver Elphinstone, North Drive, Angmering, BN16 4JJ ☎ 01903 787116

FORTHCOMING EVENTS

- 6th Jan Tuesday **Talk** - "If only we had...An Engineer's view of the Jumbo Jet"
by K.J. Wheeler, member, 2.30 p.m. Field Place
- 7th Jan Wednesday Coffee - at Albion Inn, 110 Church Road, Hove
- 13th Jan Tuesday **Visit** to Swandean Automatic Telephone Exchange, Salvington
Road, Durrington at 2.30 p.m (see pages 3 & 11)
- 15th Jan Thursday Coffee - at Three Crowns, East Preston
- 20th Jan Tuesday Committee meeting, 2.15 p.m. Field Place
- 29th Jan Thursday Coffee - with Ladies at Beach Hotel, Worthing
- 4th Feb Wednesday Coffee - at Albion Inn, 110 Church Road, Hove
- 10th Feb Tuesday **Talk** - "Its about time"
by R.W.V. Norton, member, 2.30 p.m. Field Place
- 19th Feb Thursday Coffee - at Three Crowns, East Preston
- 26th Feb Thursday Coffee - with Ladies at Beach Hotel, Worthing
- 4th Mar Wednesday Coffee - at Albion Inn, 110 Church Road, Hove
- 10th Mar Tuesday **Talk** - "History of Ricardo"
by Dr. C. French, guest 2.30 p.m. Field Place
- 17th Mar Tuesday **Visit** to Smith Kline Beecham, Worthing at 2.30 p.m
(see pages 4 & 11)
- 19th Mar Thursday Coffee - at Three Crowns, East Preston
- 23rd Mar Monday Copy date for next Newsletter
- 24th Mar Tuesday Committee meeting, 2.15 p.m. Field Place

26th Mar Thursday Coffee - with Ladies at Beach Hotel, Worthing

Every Monday Coffee at Laing's Arcade Cafe, Montague Street, Worthing

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

The Newsletter is slightly later than in previous years due to awaiting confirmation from Woods of the itinerary for the 1998 Spring Break to the Yorkshire Dales.

The 1997/98 programme of events has begun well, with a number of interesting talks that have been well attended. I trust that this trend will continue during the remaining sessions, particularly as we move in the New Year to our new meeting venue, Field Place.

Pamela joins me in wishing you and your family a Very Happy Christmas and a Peaceful and Healthy New Year.

Dave Lewis

Membership

We are sad to have to report the deaths of **J.W.A. Attwood** and **Mr & Mrs W.H. Blundstone**.

We wish a speedy recovery to **G.R.A. Carr** and **R.P. Marshall** who both had hip replacements in November.

We welcome the following new members to the Association:

<p>1997 BADBY, D.W. E.R.D., M.I.C.E., M.I.Stuct.E. <i>18 Hills Rd, Ste yning, BN44 3QG</i> <i>(01903 816066)</i> John Mowlem and Soil Mechanics Ltd. Bridge and tunnel work with London Transport. Local government. <i>Intere sts:Travel, Military History</i></p>	<p>1997 BARTLETT, B.B. F.I.E.E., <i>20 Chatsworth Rd, Brighton, BN1 5DB</i> <i>(01273 552708)</i> B.T. 1950-66 Mott Ewbank Preece 1967-96 <i>Intere sts:DIY, Music, Singing, Gardening, Home Computer</i></p>
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Meetings at Field Place

As from **1st January, 1998**, all General Meetings and Committee meetings will be held at Field Place. The first meeting will be that of 6th January and it will be held in the **Chichester Room**, which is next to the cafeteria in the old main building of Field Place (the white building on the left). Entrance is past the bookings office.

Field place is close to Durrington railway station and is well signposted in the region. A map is given on page 5. Follow the signs and drive into Field Place, passing the indoor bowling hall on the left, continue past the first car park on the right and into the next car park on the left, which is right next to the building entrance.

If only we had.....an engineer's view of the Jumbo Jet - Talk by

K.J. Wheeler, member, at **Field Place** on 6th January, 1998 at 2.30 p.m.

Having settled down in your seat number 39F in the Boeing 757, you may be wondering why all modern jet liners look very much alike and as your flight progresses from take off and you have been watching the changes in wing configuration from the vantage point afforded by this particular seat, perhaps you are unaware of the significance of what is going on. The similarity of configuration between aircraft is for sound technical and operational reasons and the talk presents some of these reasons in detail.

This talk is a "state of the art" presentation where the speaker is fortunate in having access to engineers with knowledge of current design ideas and practice. The talk, which also deals with future trends, has been especially put together for the Association.

Flying will never seem the same again!

Ken Wheeler

Its about time - Talk by R.W.V. Norton, member, at Field Place on Tuesday 10th February, 1998.

Richard's talk, which could be sub-titled " A brief history of timekeeping", will attempt to outline the development of timekeeping through the ages, from Babylonian times to the modern day. Early timekeeping resulted from astronomical developments and this requirement remains prominent to this day. Ecclesiastical use of automated timing of prayer times for monks by ringing of bells (cloche - hence clock) by mechanical means commenced about 900 years ago whilst the needs of navigators played a major part in the development of accurate timekeeping. However, the main development of timekeeping as we generally know it today derived from the industrial revolution, which topic will be the main subject of the talk.

The History of Ricardos - Talk by Dr. C. French, guest, at Field Place, on Tuesday, 10th March, 1998 at 2.30 p.m.

The speaker used to be employed by Ricardos, the vehicle engine development and testing works at Shoreham.

Visit to Swandean automatic telephone exchange Salvington Road, Durrington, Worthing, BN13 2JJ on Tuesday, 13th January, 1998 at 2.30 p.m.

Parking at the Exchange is limited and the Association has been restricted to 3 cars. As numbers have been limited to 20 persons, early application and car sharing is vital. Off street parking is available close to the Recreation Ground, Salvington Road to the West of and a short walk from the Exchange. See map on page 5.

The visit will include a demonstration of early STROWGER equipment and an explanation of a modern digital exchange. There will be an opportunity to visit the Customer

Service Centre and learn how the site fits into the National BT network. Refreshments will be available and the visit is expected to last for about 1.5 hours.

Visit to Smithkline Beecham, Southdown View Way, **Worthing**
on Tuesday, 17th March, 1998 at 2.30 p.m.

Numbers are limited to 20 persons, and members are advised to wear sensible shoes and be aware that the visit will involve "going up and down" stairs. It is hoped that we shall be able to view the new effluent plant, in addition to seeing other processes of interest. Access to the site will be via Southdown View Way, as shown on the accompanying map, (not Clarendon Road).

Coffee morning collection for St Barnabas Hospice

John Wigley

Spring Break to Yorkshire Dales Monday 4th to Friday 8th May, 1998

The persons attending the Spring Break at Monchau last year, requested by a ratio of 3 to 2 for the Spring Break in 1998 to be held in England; with the majority favouring the Yorkshire Dales.

The 1998 5 day, 4 night Spring Break will be based at the Hanover International, 3 Star Hotel and Club, Skipton. Built of local stone, this modern hotel nestles in the Aire Valley, off the A629, one mile South of Skipton Town Centre, next to the historic Leeds and Liverpool canal, with the foothills of the Dales as a backdrop. All bedrooms have private bathrooms, hospitality tray, colour TV, telephone, hairdrier and trouser press. An indoor swimming pool, whirlpool, sauna, solarium, steam room, gym, pool table and beauty salon add to the enjoyment. There is also a lift.

Throughout the tour use will be made of a 49 seater continental touring coach with air suspension, reclining seats, toilet and washroom. At the beginning of the tour members will be picked up from their homes by taxi and taken to meet the coach. At the end of the tour members will leave the coach and be returned to their homes by taxi. The Woods driver will act as courier for the duration of the tour.

The cost of the tour (excluding insurance) is £275.00 per person sharing a twin room. This cost is based on 35 fare paying passengers. There will be no single room supplements payable, up to a maximum of 4 single passengers. If the number of passengers does not reach 35 persons, then a surcharge will apply. The tour cost includes door-to-door service; 4 nights half board Dinner and full English Breakfast; entrance to Harewood House and White Scar Cavern, Boat trip and lunch on Day 3, guided tour of York and entrance to the Minster.

Travel Insurance is mandatory for Woods will not accept a holiday booking unless a person is adequately insured. Woods Insurance is £8.50 per person; which is in addition to the basic £275.00 cost of the break. Should you already have adequate travel insurance, then you will need to advise Woods when you book for the tour the name of you Insurance Company.

The attached booking form should be completed and sent direct to Woods with a deposit of £60.00 per person plus £8.50 per person if you wish to be covered by the

Woods Travel insurance. The tour is subject to the terms and conditions as featured in the Woods 1998 tour brochure.

ITINERARY

DAY 1

Travel northwards through Dartford Tunnel and take the old Roman route between London and York, stopping en route for lunch at Stamford (route subject to A1 roadworks). The hotel is reached in time for dinner.

DAY 2

Travel to the lovely village of Grassington for coffee. Continue the drive through the Dales via Pateley Bridge to Harrogate for an extended lunch stop. In the afternoon visit Harwood House with its spectacular interior, designed by Robert Adam, and with numerous pieces of furniture by Thomas Chippendale, Return to the hotel via Otley and Ilkley.

DAY 3

A leisurely morning in Skipton on market day before boarding a river boat for a lunch cruise on the Leeds/Liverpool Canal. On arrival at Gargrave rejoin the coach and travel via Settle along the Ribble Valley, viewing the famous Ribble Viaduct on the way. In the afternoon at White Scar Cavern visit England's biggest cave, with underground waterfalls and thousands of stalactites.

DAY 4

After breakfast leave the hotel and travel to York where a guided tour of this beautiful city and its Minster has been arranged. The afternoon is free for your own exploring of the Jorvik Centre, the Shambles or the coach to the Railway Museum

DAY 5

On the return home we travel via Keighley and Bradford to Holmfirth for coffee (the town of "The Last of the Summer Wine") . Continuing southwards the lunch will be at Stratford -on - Avon, returning home in the early evening.

To: D.M. Lewis, 8 Arlington Avenue, Goring by Sea, Worthing, BN12 4TA Tel: 01903 248726
I wish to participate in the visit to **Swandean telephone exchange** on Tuesday, 13th January
1998 at 2.30 p.m.

Full Name(Block capitals)

Address

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Phone No.....

Applications by 6th January, 1998

To: D.M. Lewis, 8 Arlington Avenue, Goring by Sea, Worthing, BN12 4T Tel: 01903 248726
I wish to participate in the visit to **Smith Kline Beecham** on Tuesday, 17th March 1998 at
2.30 p.m.

Full Name(Block capitals)

Address

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Phone No.....

Applications by 10th March, 1998