

**Visit to Lord Rayleigh Laboratories, Terling Place, Terling, Chelmsford ESSEX.  
on WEDNESDAY 23 September 2009**

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This visit has been organised by Geoff Cockett.

The successful career of John William Strutt, 3<sup>rd</sup> Earl Rayleigh(1842-1919)was mainly in physics. A man of exceptional ability and energy, he made important contributions to every field of physics known in his time. Many of these were in the personal laboratories set up in 1868, close to the family home. He managed to get good results with often relatively simple apparatus as in his discovery of Argon (Nobel Laureate 1882). Many experiments were in sound such as acoustic coupled resonators , minimum audible intensity in open air. His well known law about the scattering of light by particles is only one of his achievements in optics. His son Robert John Strutt, covered a wide field of physics such as Becquerel rays , radio active techniques for determining the age of the earth, optical properties of the atmosphere, ozone distribution in the atmosphere.

The laboratories are still as they were on the death of the younger Strutt in 1947 . Efforts are now being made by Professor E A Davies of the University of Cambridge to make a virtual tour record covering many pieces of apparatus and equipment used, much made there. Small group visits have just started for professional scientists but HSE rules impose a maximum of 12 persons. Prof Davies will be our guide to the labs where most of the experimental notebooks are still kept.

We will also have a guided tour of the extensive and well known gardens which with the park was laid out by Nathaniel Pink in the late 18<sup>th</sup> century. It will probably be led by a member of the Rayleigh family.

Time Table.

**Morning Visit**

If arriving before 09:45, park in the road opposite the only Shop in Terling CM3 2PG, some 40 metres from the main entrance to Terling Place CM3 2QW. Note no cafe nor public toilets in village.

09:45. Drive through main entrance to Terling Place. Park in front of estate office. Toilets available.

10:00-10:25. All addressed by Lord Rayleigh and Prof Davies.

10:30-11:45. Tour of the laboratories by 6 of the group while reminder tour the grounds, graves and church.

11:45-13:00. Interchange of the two groups for above.

13:00. Group departs for Lunch at the Square and Compasses Pub ( 2 miles away) at Fuller St, Fairstead CM3 2BB, Tel 01 245 361 477. [<http://www.thesquareandcompasses.co.uk>] Its location is shown by a PH marking on some maps. .

**Afternoon Visit**

12:00. Lunch at The Square and Compasses.... The Terling Pub is now closed at lunch time.

13:35. Depart for Terling Place

If arriving before 13:45, park in the road opposite the only Shop in Terling CM3 2PG, some 40 metres from the main entrance to Terling Place CM3 2QW. Note no cafe nor public toilets in village.

13:45 Drive through main entrance to Terling Place. Park in front of estate office. Toilets available.

14:00-14:25. All addressed by Lord Rayleigh and Prof Davies.

14:30-15:45 Tour of the laboratories by 6 of the group while reminder tour the grounds, graves and church.

15:45-17:00. Interchange of the two groups for above.

Please note that the time table does not include a tea/coffee break.

Terling is north east of Chelmsford. The map shows both Terling Place and the pub (under the red circle). Most of the REMS charges for this visit will be donated to the charity which is funding the making of a virtual tour of the labs

#### Contacts

Before 23 September: Reinalt 020 8946 3399 or 07758 085741

On the day: Geoffrey Cockett 07 88 22 07 047



Terling Place is at the bottom right and the pub is under the red circle at the top left.