



Surrey Network

Universities of the Third Age

EINSTEIN 101 & HIS CONTINUING LEGACY

A Study Day on Friday, 16th June 2017

At The Menuhin Hall, Stoke d'Abernon (map on next page)

Speaker: Dr Roger Luther

An elementary introduction to Einstein's contributions to modern physics, together with a brief look at the life of the man himself. On the 101st year since he published his theory of General Relativity - spectacularly confirmed in Feb 2016 with the discovery of gravitational waves - we will look at the entire range of work of this iconic scientist. No previous knowledge of maths or science is required!

Programme

- 9.30 Registration
- 10.00 Einstein's life, focussing on his "annus mirabilis" of 1905, with the discovery of Special Relativity, the photoelectric effect, Brownian motion and the existence of atoms
- 10.30 Coffee / tea
- 11.00 General Relativity - gravity as the bending of space-time, leading to ideas of black holes, the Big Bang and gravitational waves. Relativity and your Satnav!
- 12.30 Lunch - Bring your own - tea/coffee available
- 1.30 Einstein and Quantum Theory - an uneasy relationship. From being one of its instigators, to becoming one of its chief critics, Einstein was very active in the development of this theory. We will look at the EPR experiment, the meaning of Quantum Theory, and the Multiverse
- 2.30 Tea / coffee
- 3.00 Recent developments in Relativity, including worm-holes and M-theory. Questions & discussion
- 4.00 Departure

Speaker – Roger Luther is a part-time lecturer at Sussex University, having taught at secondary school level for the first half of his career. He has had a life-long interest in cosmology and theoretical physics, and has lectured to various lay audiences on these topics. He is active in his own local U3A in Sussex, running groups on maths, science-and-religion, and cryptic crosswords. You may also have seen him on Mastermind in 2008!

To assure your place send the slip below, as soon as possible, with a cheque for £10 (non-U3A guest £12) payable to 'Surrey U3A Network', to John Kennedy – U3A, 20 Greville Park Road, Ashted, KT21 2QT 01372 273561, surreyU3Astudyday@btinternet.com. Enclose a SAE or your e-mail address for confirmation. Fees are not normally refundable. For our website see the next page.

Einstein Study Day

16th June 2017

Please print

Confirm by E-mail or enclosed SAE

Jun

Title First Name Surname Name of U3A

Address

Post Code Telephone E-mail

Do you need disabled parking (disabled drivers only, display badge)? yes

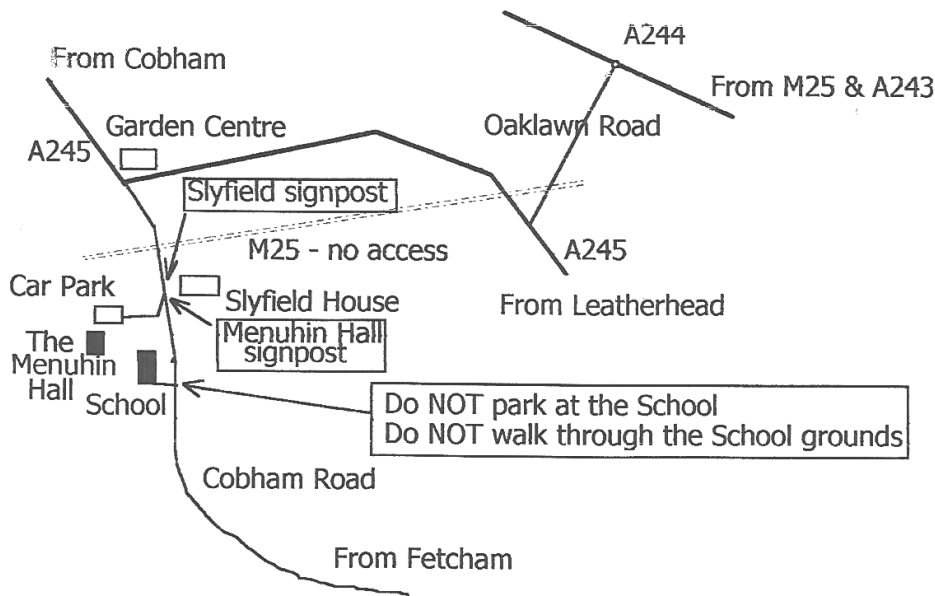
The Menuhin Hall

Cobham Road, Stoke d'Abernon, KT11 3QQ

Map ref: TQ 132 579 on Landranger 187, Explorer 146

Telephone 07763 805046 (emergency, on day only)
or Menuhin Hall Office 08700 842020

There is a Garden Centre (01932 862530), about 800 metres to the north of the Menuhin Hall where light lunches are available. Reservations not required.



The Menuhin School was founded in 1963 in London and moved to its present site in 1964. It has about 66 pupils learning to play stringed instruments and is financed, in part, by the DfES. Lord Menuhin was born in New York on 22nd April 1916 and died on 12th March 1999 in Berlin. His parents had come from Russia. His first public concert was in March 1924 and his first in Europe, in Paris, in 1927. His performance of Elgar's Violin Concerto was recorded at the Abbey Road Studios in 1932. The Hall, designed by Mark Foley, was conceived as a memorial to Yehudi and was handed over to the school on 5th August 2005. The official opening was on 7th January 2006. Yehudi is buried near the stone pillar in front of the Hall. Nearby is an oak which he planted on his 80th birthday. The Hall was first used for U3A Study Days on 14th October 2005 when the Steinway grand piano was used as no other was available.

Surrey Network Website - <http://u3asites.org.uk/surreyu3anetwork/> has application forms for study days & other events plus information about the Surrey Network and links to Surrey U3A websites.