1909–1919

**Nobel Prizes in Medicine and Physiology**

- **1909** Foundation of ILAE in Budapest
- **1909** Foundation of EPILEPSIA
- **1909** Sir Victor Horsley delivers the Linacre Lecture on the ‘The Function of the So–Called Motor Area of the Brain’ citing three cases of operated focal epilepsy and his electrical stimulation brain–mapping experiments
- **1910** 2nd meeting of the ILAE in Berlin – 2 lectures given
- **1911** Charles Davenport and David Weeks publish the first eugenic tract devoted to epilepsy
- **1912** 3rd meeting of the ILAE in Zurich – 15 lectures given
- **1912** Fedor Krause reports 96 operated patients with focal epilepsy and brain mapping by electrical stimulation
- **1912** Discovery of the anticonvulsant effects of phenobarbitone by Alfred Hauptmann
- **1913** Publication of a large series of epileptic patients treated with crotalin – rattlesnake venum – by Spangler
- **1913** 4th meeting of the ILAE in London – business meeting and 4 lectures
- **1914** Paraldehyde first used for status epilepticus
- **1914** ILAE goes into hibernation with the outbreak of the First World War

**ILAE and Epilepsy**

- **1915** Wilder Penfield works in Oxford in Charles Sherrington’s laboratory and is inspired to become ‘a physiological neurosurgeon’
- **1915** William Shanahan states that irrigation of the bowel is the most urgently indicated procedure to treat status epilepticus
- **1916** Bacillus epilepticus identified from stools of epileptic patients and identified as the cause of epilepsy and the theoretical justification of colectomy.
- **1917** Publication of an influential series of cases of right–sided colectomy for the control of epilepsy from Boston
- **1918** Air ventriculography devised by Walter Dandy
- **1919** Air encephalography first carried our via the lumber route by Dandy

**Medicine**

- **1909** The word gene coined by Wilhelm Johannsen initiating a scientific revolution – where was the world heading?
- **1909** Salvarsan therapy for syphilis used by Paul Ehrlich
- **1910** Marie Curie publishes her Treatise on Radiography
- **1911** First state insurance scheme in medicine (in Britain)
- **1912** Casimir Funk describes the concept and coins the term vitamin
- **1913** The first vitamin – vitamin A – isolated
- **1913** First artificial kidney developed by John Jacob Abel
- **1914** First neurotransmitter – acetylcholine – announced by Henry Dale
- **1915** Tetanus in the trenches controlled by serum injections
- **1916** First birth control clinic in the United States
- **1916** Theory of shell shock developed by Frederick W. Mott
- **1917** Malaria treatment for syphilis introduced by Julius Wagner–Jauregg
- **1918** Influenza pandemic
- **1919** Prohibition declared in the US