J.J. THOMSON TREE #1

Edward J. Routh
(Cambridge, 1854)

Discovery of electron **(1897)**
Thomson model of atom **(1903)**
conduction of electricity by gases
Physics Nobel 1906

Rayleigh scattering **(1871)**
Rayleigh-Jeans law **(1900)**
Physics Nobel 1904

Wilson cloud chamber **(1911)**
Physics Nobel 1927

Cecil Frank Powell
development of photographic method for studying nuclear processes; discoveries regarding mesons **Physics Nobel 1950**

Charles G. Barkla
Discovery of Roentgen radiation of the elements
Physics Nobel 1917

Rutherford back scattering formula **(1914)**
disintegration of the elements; chemistry of radioactive substances
alpha particles **(1903 - 9)**, concept of atomic nucleus **(1911)**
Chemistry Nobel 1908

Sir George P. Thomson
experimental discovery of diffraction of electrons by crystals **Physics Nobel 1937**

Bragg equation, **Bragg** reflection indices
Bragg angle of diffraction **(1912)**
analysis of crystal structure by X-rays
Physics Nobel 1915

Townsend effect **(1922)**

William H. Taylor
(Manchester, 1930)

John Kendrew
(Cambridge, 1949)
Chemistry Nobel 1962

Kathleen Lonsdale
planarity of aromatic systems **(1929 - 1934)**

John Desmond Bernal
(Cambridge, 1923)

Max Perutz
structure and function of hemoglobin
(1950's to 1970's)
Chemistry Nobel 1962

Francis H.C. Crick
Watson-Crick base pairs, DNA structure **(1953)**
Physiology & Medicine Nobel 1962

Dorothy Crowfoot Hodgkin
X-ray structure of penicillin **(1949)**, vitamin B12 **(1957)**, and insulin **(1969)**
Chemistry Nobel 1964

Sir Edward V. Appleton
Physics of upper atmosphere, Appleton layer **Physics Nobel 1947**

John A. Ratcliffe
(Cambridge, BA 1924)

Sir Martin Ryle
Antony Hewish
Radio astrophysics, Aperture synthesis technique (Ryle), Discovery of pulsars (Hewish)
Physics Nobel 1974

Sir John T. Randall
(Manchester, MSc 1926)

Maurice H.F. Wilkins
DNA structure **(1953)**
Physiology & Medicine Nobel 1962

James Reekie
(Edinburgh, 1937)

Bertram N. Brockhouse
Development of neutron spectroscopy
Physics Nobel 1994

Arthur L. Hughes
(Liverpool, 1912)

Lester C. van Atta
(Washington, 1931)

Frank E. Myers
(NYU, 1934)

Clifford G. Shull
Development of neutron diffraction technique
Physics Nobel 1994