Great Irish Geoscientists

Ireland has produced a large number of geoscientists many of whom have made important contributions to the understanding of the Earth's structure, history and evolution. Over the last 300 years the rocks in Ireland have been studied in detail, while during the same period a large number of Irish geoscientists have also worked abroad. In the United States Thomas Condon was a geological pioneer and as many as fifteen Irishmen surveyed India's geology and mineral wealth. In the late 1700s and early 1800s Ireland was the focus for the debate between those who considered that basalt and granite were laid down in water and those who, correctly, said that they were produced under the effects of igneous heat. Early studies on earthquake waves were carried out on Killiney Beach, and later they were utilised to reveal that the Earth had an outer liquid core. Many important fossils were first described in Ireland and these have helped date and correlate rocks worldwide. Irish scientists were at the forefront in the debate on the age of the Earth.

Richard Kirwan





George Victor Du Noyer (1817 - 1869)

Born in Dublin, he trained as an artist under the antiquarian George Petrie. Later employed as a geologist with the Geological Survey of Ireland for whom he produced many detailed geological maps and Ultimeted morphics. Didd in Artistic of Seculit Evens an artist under the antiquarian Georg geologist with the Geological Survey of ed many detailed geological maps and Died in Antrim of Scarlet Fever. rs. Died in Ant 4115 ntod r



Frederick M'Coy

(1823-1899) Born in Dublin, he published two monographs in the 1840s on Silurian, Ordovician fossils Carboniferous fossils. First Professor of Geology at Queen's Belfast and later Director of the Natural History



Henry Benedict Medlicott

(1829-1900) Born in Loughrea, Co. Galway he was one of three brothers who worked for the Geological Survey of Ireland before moving to India In 1872 he described the 'Gondwana' series of coal-bearing rocks;



John Joly

(1857-1933) Born in Offaly, he was Professor of Geology at Trinity College, Dublin. He studied the age of the Earth, global tectonics, radioactivity in rocks, the ascent of sap in trees, and invented a method of colour photography. President Royal Dublin Society.



Richard Griffith

(1784-1878) Born in Dublin, he studied engineering and geology. He surveyed Ireland's coalifelds for the Royal Dublin Scotety and later with the assistance of otheres produced the first large scale geological map of the country. For his public works he was created a Baronet in 1858





Richard Dixon Oldham

(1858-1936) Son of Thomas Oldham, successively the Director of the Geological Survey of Ireland and of India, he too worked in India. He studied the Great Assam Earthquake of 1897 and by examining the pattern of earthquake waves discovered that the Earth had a Core.





Robert Mallet



Henry Maxwell Close (1822 - 1903)

(1055-1900) He was an Anglican cleric in England before returning to Dublin where he joined various scientific societies. In 1867 he mapped the distribution of straitations that indicated the flow direction of glaciers in Ireland. He funded publication of an Irish dictionary.



George Henry Kinahan

(1829–1908) geologist with the Geological Survey of Ireland he mapped much of the west of Ireland. He was a prolific author on geological, Ag archaeological and natural history topics, and produced an invaluable memoir on the whole range of Irish building stones



Sydney Mary Thompson

(1847-1923) Born in Co. Antrim, she was an artist. With the Belfast Naturalists Field Club she mapped the distribution of glacial erratics in rtheast Ireland that provided information on glacial movement -ent Following her m ge she was known as Madame Christen

Irela



GSI



Frank Mitchell

(1912-1997) Dublin-born, he was Professor of Quaternary Studies at Trinity College, Dublin. Using pollen and evidence from glacial deposits he documented the evolution of Ireland's landscape and vegetation in the last 2 million years. President Royal Irish Academy.



(Oplanetearth