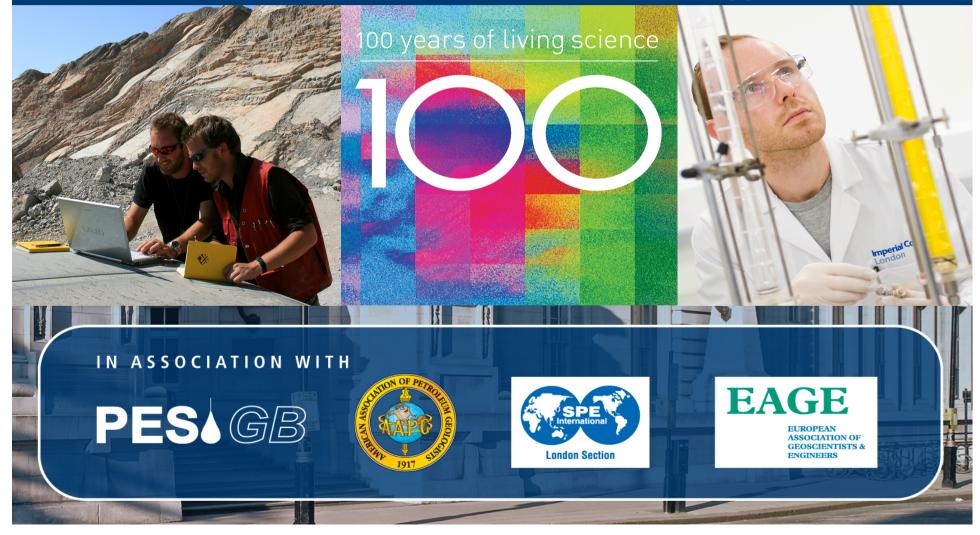
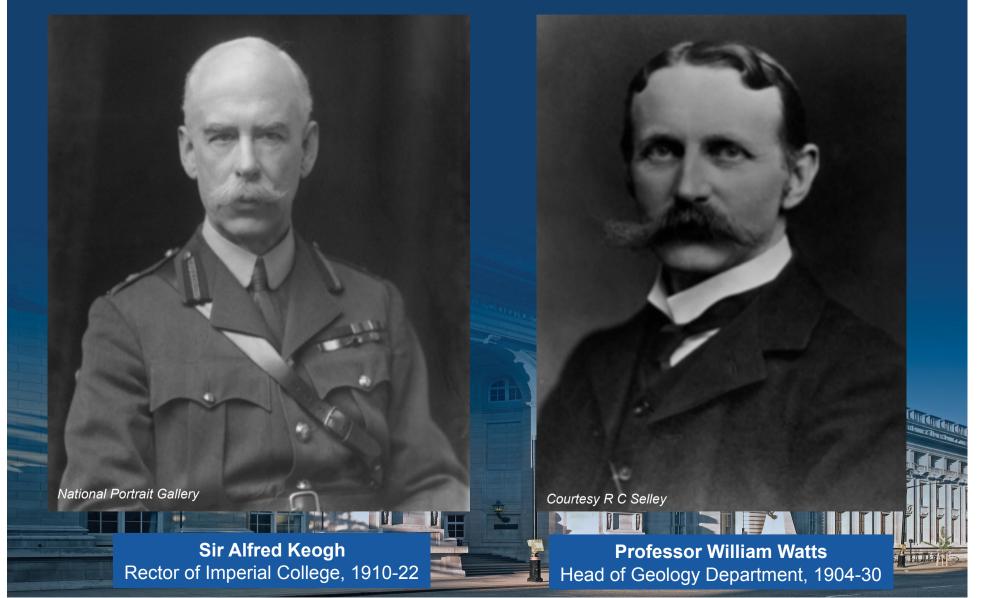
Imperial College London



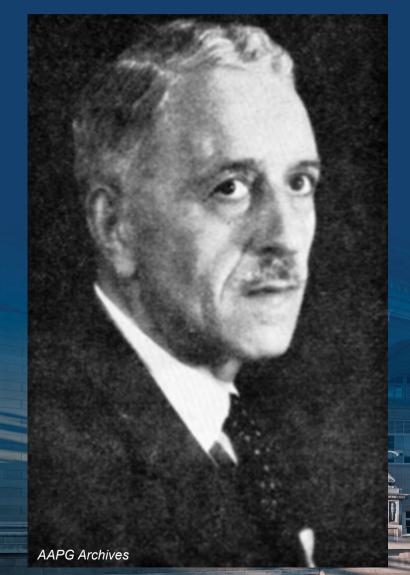
100 Years and Beyond: Future Petroleum Science & Technology Drivers



The Early Visionaries of 1913



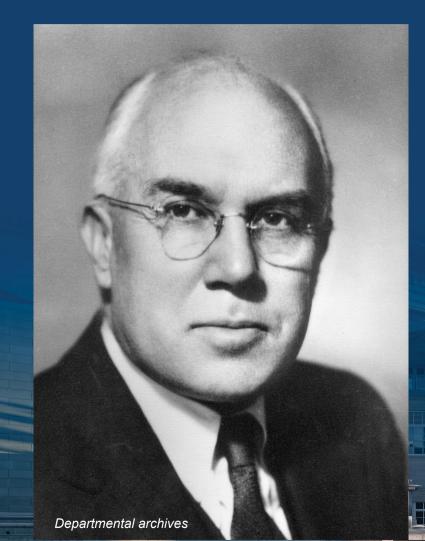
.....supported by Arthur Wade



Dr Arthur Wade

• Senior Demonstrator at the RSM, 1909-13

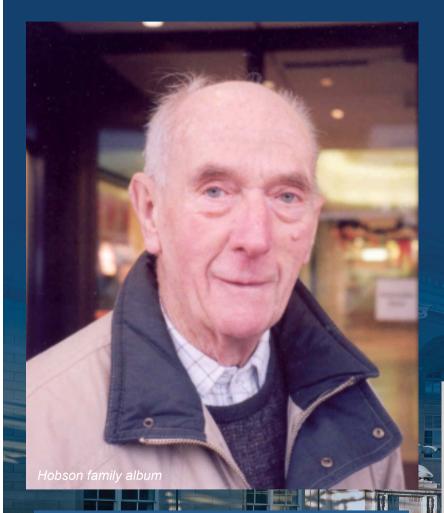
The first Professor of Oil Technology



Professor Vincent C. Illing (FRS)

- Researcher & Lecturer, 1913-21
- Assistant Professor, 1921-36
- Professor of Oil Technology, 1936-55
- Murchison Medal, 1944
- Elected Fellow of the Royal Society, 1945
- AAPG Honorary Member, 1961
- 42-year career in the RSM

The second (after Illing's) 42-year Oil Technology career:



Hobson's experiment to demonstrate the principle of differential entrapment

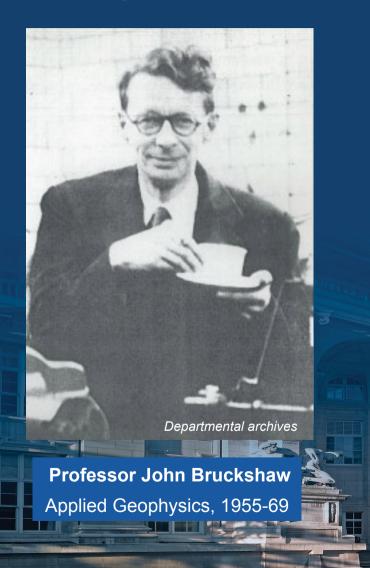
Dr Douglas Hobson

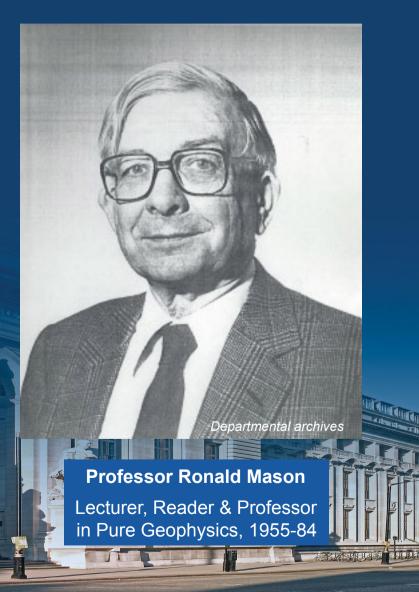
- Assistant Demonstrator in Oil Technology, 1934-36
- Assistant Lecturer, 1939-45
- Lecturer, 1945-55
- Reader, 1955-76

 Started a petroleum reservoir engineering course in 1955 (forerunner to today's MSc in Petroleum Engineering)

Gas

Geophysics came along a little later, in the 1950's





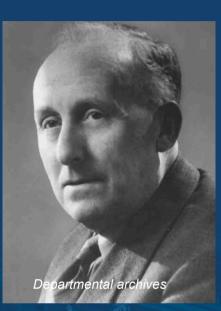
There was always a solid 'basement' to petroleum studies at Imperial College



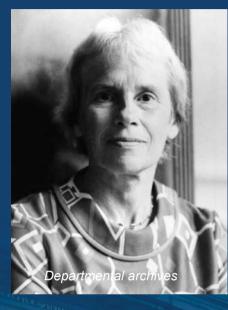
Departmental archives

Professor Arthur Holmes

UG student in 1907
Dated the Earth when 23 years old
First to use radiometric dating methods
First year as PhD student read paper at the Royal Society

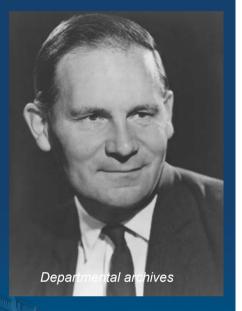


Professor H.H. Read
Origins of granite
Mineral exploration
Read & Watson textbook
established a Scottish
Highlands research group
RSM Dean & Pro-Rector



Professor Janet Watson
Read's first research assistant
Expert on the evolution of the Scottish Highlands

- Recipient of most of the GSL awards
- First woman to be President of the GSL



Professor John Sutton
Authority on the evolution of the Scottish Highlands (with Watson)
Head of the Geology Department, 1964-74 (largest in Europe at that

STREAM BARE SILLER N

time

RSM Dea

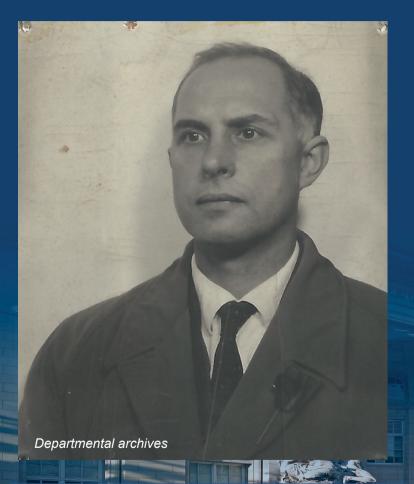
With lots of Sedimentary Geology on top, in the 1960-70's,



Professor Dan Gill

- Professor of Oil Technology, 1961-76
- Professor of Petroleum Geology, 1976-78
- Oil finder in Pakistan & Burma
- Himalayan geology expert
- Established an organic geochemistry lab in the RSM
- Advocated integrated geology and engineering
- the youngest professor and holder of the DSc in the UK and Ireland at the age of 35

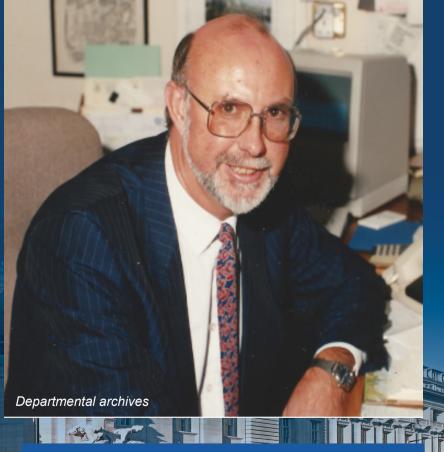
Petroleum Engineering arrived in the 1960-70's.



Professor Colin Wall

Reader in Oil Technology, 1967–74

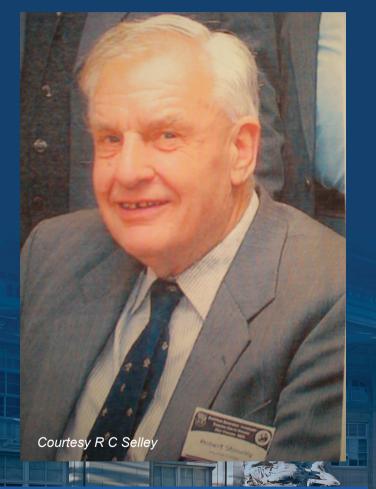
Professor of Reservoir Engineering, 1974–86



Professor John Archer

Reader in Petroleum Engineering, 1980–86 Professor of Petroleum Engineering, 1986–97

And Petroleum Geology entered the Stoneley-Selley era



Professor Robert Stoneley Professor of Petroleum Geology, 1978–94



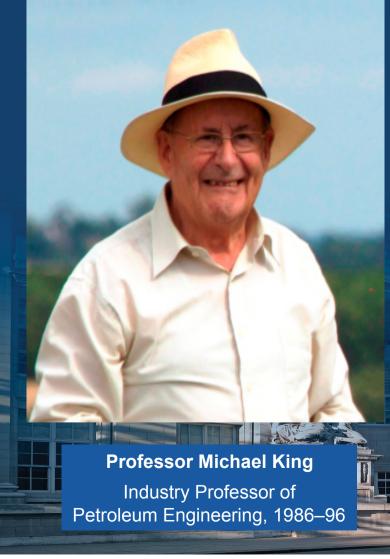
Kingston University Archives

Professor Dick Selley

Lecturer & Reader in Oil Technology, 1966–76 Reader in Petroleum Geology, 1976–89 Head of Geology Department, 1988–93 Professor of Applied Sedimentology, 1989–93



...and Geophysics entered the 'Two Michaels' era:



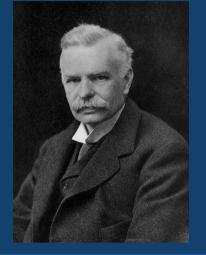
Professor Michael Worthington Professor of Geophysics 1985–93 Head of Geology Department, 1993–98

AR SULANS

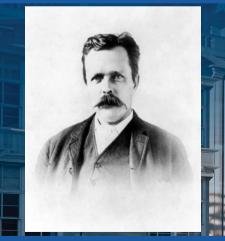
Integrated Exploration and Reservoir Management Phase, with field trips for all MSc students from 40 countries

MSc Petroleum Geoscience: 54 MSc Petroleum Geophysics: 27 MSc Petroleum Engineering: 53 Total = 134

Bridport Sands at West Bay, Wessex Basin (October 2011)

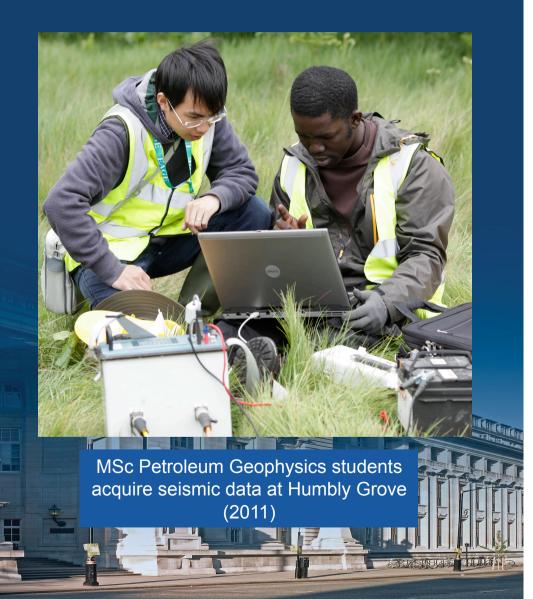


Richard Dixon Oldham, FRS 1858–1936 (RSM student; GSL President)



Professor John 'Earthquake' Milne 1850–1913 (RSM student)

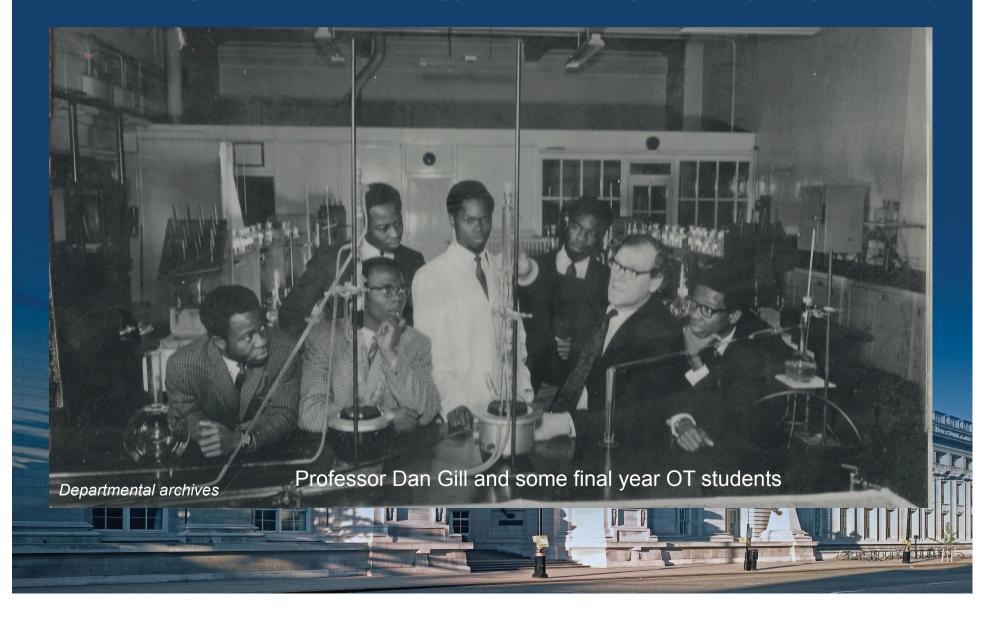
From Seismology to Petroleum Geophysics







Yesterday's Oil Technology Laboratory, RSM (early 1960s)







To celebrate our centenary we invite contributions to the

Petroleum Centenary Fund

to enable world-class graduates to develop into the next generation of multidisciplinary earth scientists & engineers



Contact Ms. Angela T. Bowen (Deputy Director of Development) for further details: Angela.bowen@imperial.ac.uk

Imperial College Alumni (a selection):

• **Peter Gaffney**, founder of Gaffney, Cline & Associates, formerly one of the world's leading petroleum consultancies

• **Sir Peter Baxendell**, KT, FRENG, past MD of Shell Transport & Trading, former Member of the Governing Body and Fellow of Imperial College

• **Dr Mohammed bin Hamad Al Rumhy**, Minister of Oil and Gas in the Sultanate of Oman

• Sir Rilwanu Lukman, former Secretary General of OPEC

• **Dr Edmund Daukoru**, Minister of Energy for Nigeria, 2006 OPEC President and Fellow of Imperial College 2007

Malcolm Brown, Executive Vice President & BG Group Executive member

 Ed Daniels, Chairman Shell UK Limited and Executive Vice President, Downstream Technology



Let's celebrate!

