

**CELEBRATING 100 YEARS OF PETROLEUM
EDUCATION AT IMPERIAL COLLEGE**

23 – 24 SEPTEMBER 2013

IMPERIAL COLLEGE LONDON



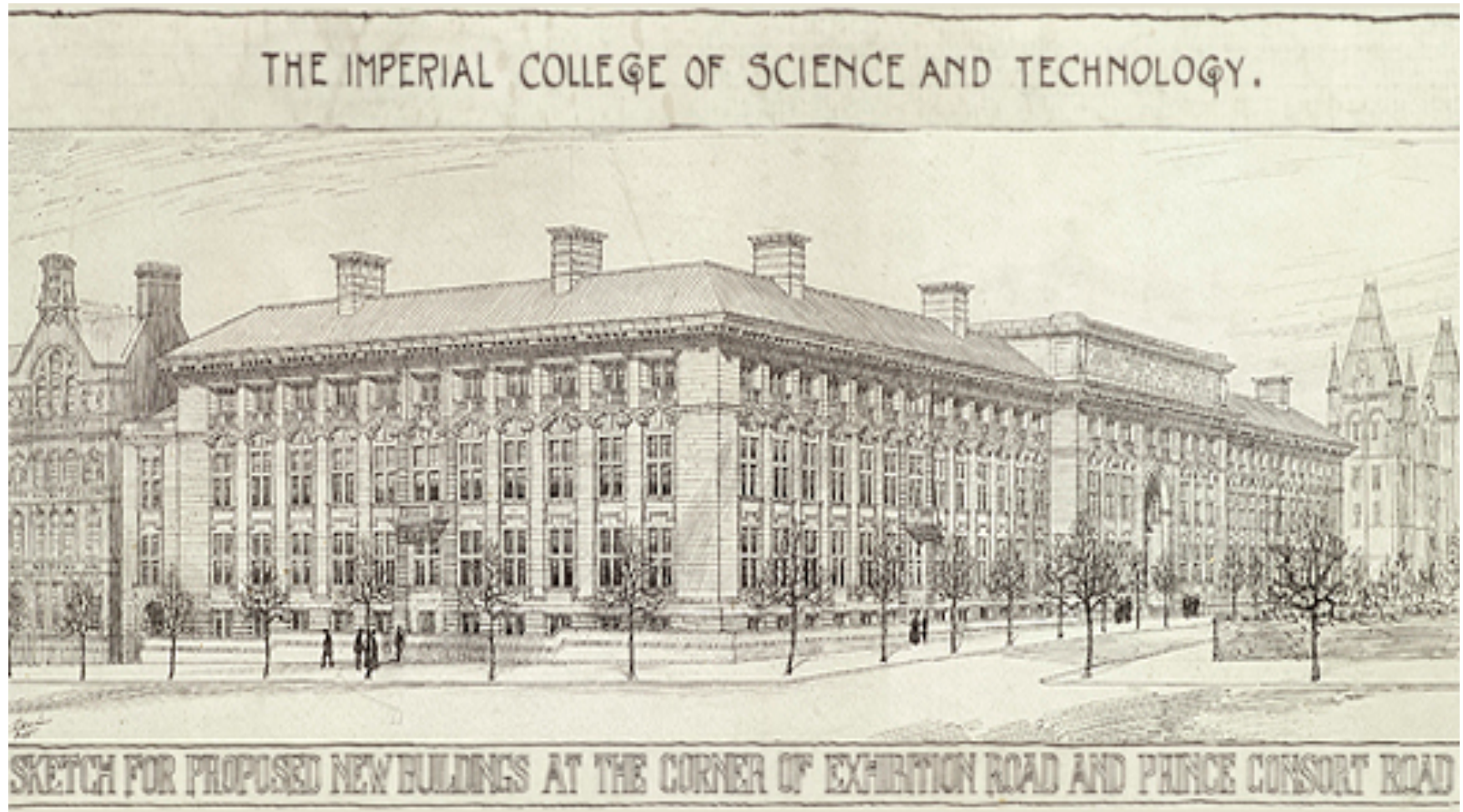
College archives

Professor William Watts
Head of Geology Department 1904-30



AAPG archives

Dr Arthur Wade
Senior Demonstrator at the RSM, 1909-13



College archives

Architect's sketch for the proposed Royal School of Mines building, mid-1900s



College archives

The iconic Royal School of Mines building, today

ROYAL SCHOOL OF MINES.

Examination on The Technology of Oil.

July 2nd 1913.

Class I.

Strickland, A. F.	78
Ashmead - Bartlett, P.	76

Class II.

Stigand, I. A.	70
Plata, B.	66
Maltby, F. B.	52

W. W. Maltby

Departmental archives

Technology of Oil examination results, July 1913 (pre-Ilting)

The Founding Fathers of the Oil Technology Course



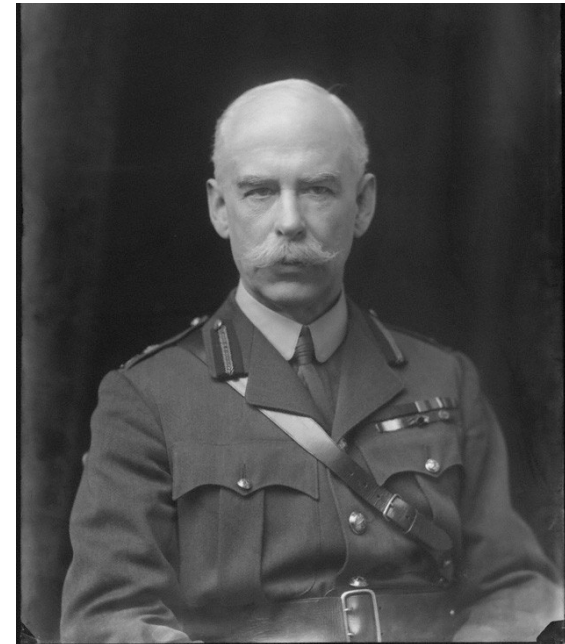
College archives

Professor William Watts



AAPG archives

Dr Arthur Wade



National Portrait Gallery

Sir Alfred Keogh
Rector of Imperial College, 1910-22

The Father Figure of the Oil Technology Course



Departmental archives

Vincent Illing

Demonstrator in Petroleum, 1913-15

Lecturer, 1915-21

Assistant Professor, 1921-37

Professor of oil Technology, 1937-55

Elected Fellow of the Royal Society, 1945

DAILY EXPRESS

MILLIONS FROM MEXICO

The professor lands a dollar coup

Express Staff Reporter

A 60-YEAR-OLD neat, greying, non-smoking, non-drinking, country-loving professor has pulled off a deal which will bring 108,000,000 American dollars into Britain.

He is Vincent Charles Illing, professor of oil technology at the Imperial College of Science, S.W. And his deal is with the Mexican Government, which seized Anglo-Dutch oil wells nine years ago.

It was in March 1938 that the then President Cardenas confiscated the Mexican Eagle Oil Company's wells and refineries with an output of 7,000,000 tons a year.

Since then the Shell and Royal Dutch oil combines have negotiated with successive Mexican presidents for the return of the properties—or compensation.

The way out

Meantime, the oilfields were nationalised. The once-thriving industry became more and more chaotic, until Mexico was faced with the need of importing oil.

Last April a British Government mission went to Mexico City to fix a compensation price. There was no agreement. In July Professor Illing went out.

After two weeks talking, the Mexican bid was still too low. Then Mexico's President, Miguel Alemán stepped in and offered a compromise price. Professor Illing signed. The deal was over.

Mexico, it was announced last night, has agreed to pay £29,000,000 for the oil wells and refineries—and £7,000,000 which represents interest on the property's value at 3 per cent, for nine years.

And Mexico has agreed to pay that money in American dollars, in 15 yearly instalments.

The way up

RESULT No. 1: Rumours of the deal, yesterday, sent the shares of Mexican Eagle soaring from 15s. 3d. to 17s. 10d.

RESULT No. 2: The British Government expressed, in a Note to Mexico, its "deep satisfaction" that a step has been taken which will cement the cordial relations between the two governments.

RESULT No. 3: Treasury officials were delighted "at Professor Illing's dollar "coup."

The professor grew up with oil. He went to the Imperial College from Cambridge. To his colleagues he is "top of his profession."

When the last war came he was given leave to boost production in Trinidad and Venezuela. When the war ended he was made a Fellow of the Royal Society.

He is not back yet at the college. He is taking a holiday in America first—with his wife and two of his four daughters, who are aged 24 (twins), 22 and 19. He has a 28-year-old son, too.

When he gets back it will be to the garden and rockery of his 12-roomed old-style home at Links Corner, Ashted, Surrey.

He will talk more about Rugged than about oil. And the more he will again have one fear: that the professor's shirts may not be as immaculately laundered as he would wish.

Departmental archives

Press coverage in 1947 of Illing's negotiations with the Mexican government, winning a compensation of £29,000,000 plus £7,000,000 in interest for the Mexican Eagle Oil Company (a subsidiary of Royal Dutch Shell) for the nationalisation of its assets in 1938. Also in the *Financial Times*, 5 September 1947.



Hobson family album

Dr Douglas Hobson

Assistant Demonstrator in Oil Technology, 1934-36

Assistant Lecturer, 1939-45

Lecturer, 1945-55

Reader, 1955-76



Colin Fothergill

Douglas Hobson

Steven Coomber

Departmental archives

Oil Technology staff and some students, late 1950s

OIL TECHNOLOGY—SECOND YEAR

First Half-Session

Hours	Monday	Tuesday	Wednesday	Thursday	Friday
10-11	Properties of Petroleum Lecture G.18.	Palæontology Lecture G.12.	Palæontology Lecture G.12.	Palæontology Lecture G.12. (a)	Petrology of Sediments Lecture G.7.
11-12	Properties of Petroleum Laboratory G.19.	Palæontology Laboratory G.12A.	Palæontology Laboratory G.12A.	Palæontology Laboratory G.12A. (a)	Petrology of Sediments Laboratory G.7A.
12-1				Palæontology Laboratory G.12A. (b)	
2-3	Properties of Petroleum Laboratory G.19.	Structural Geology Lecture G.11.	Reading and Revision	Physical Geology Lecture G.9.	Structural Geology Lecture G.11.
3-4		Properties of Petroleum Laboratory G.19.		Properties of Petroleum Laboratory G.19.	Structural Geology Laboratory G.11A.
4-5		Properties of Petroleum Laboratory G.19.		Properties of Petroleum Laboratory G.19.	Structural Geology Laboratory G.11A.

Second Half-Session

Hours	Monday	Tuesday	Wednesday	Thursday	Friday
10-11	Properties of Petroleum Lecture G.18.	Palæontology Lecture G.12.	Palæontology Lecture G.12.	Petrology of Sediments Lecture G.7.	Petrology of Sediments Lecture G.7.
11-12	Properties of Petroleum Laboratory G.19.	Palæontology Laboratory G.12A.	Palæontology Laboratory G.12A.	Petrology of Sediments Laboratory G.7A.	Petrology of Sediments Laboratory G.7A.
12-1				Properties of Petroleum Lecture G.18.	
2-3	Properties of Petroleum Laboratory G.19.	Structural Geology Lecture G.11.	Reading and Revision	Physical Geology Lecture G.9.	Structural Geology Lecture G.11.
3-4		Properties of Petroleum Laboratory G.19. (c)		Properties of Petroleum Laboratory G.19. (c)	Structural Geology Laboratory G.11A.
4-5		Properties of Petroleum Laboratory G.19. (c)		Properties of Petroleum Laboratory G.19. (c)	Structural Geology Laboratory G.11A.

(a) For first term, then G.7 and 7A. (b) For first term, then G.18.
 (c) During March and May, a total of 10 lectures on Oil Refining Practice, G.20, to be arranged in these periods.

OIL TECHNOLOGY—THIRD YEAR

First Half-Session

Hours	Monday	Tuesday	Wednesday	Thursday	Friday		
10-11	Structural Geology of Petroleum Lecture G.23.	Surveying Min. 8.	Principles of Geophysical Prospecting Lecture G.24.	Surveying Min. 8.	Geology of Petroleum Lecture G.22.		
11-12	Structural Geology of Petroleum Laboratory G.23A.		Principles of Geophysical Prospecting Laboratory G.24A.		Geology of Petroleum Reading and Classwork G.22A.		
12-1		Geology of Petroleum Lecture G.22.	Surveying Min. 8.	Reading and Revision		Oilfield Drilling and Development Lecture G.21.	
2-3	Geology of Petroleum Reading and Classwork G.22A.				Surveying Min. 8.		Geology of Petroleum Reading and Classwork G.22A.
3-4							
4-5	Surveying Lecture Min. 8.	Surveying Lecture Min. 8.	Surveying Lecture Min. 8.				

Second Half-Session

Hours	Monday	Tuesday	Wednesday	Thursday	Friday		
10-11	Geology of Petroleum Lecture G.22.	Structural Geology of Petroleum Lecture G.23.	Principles of Geophysical Prospecting Lecture G.24.	Structural Geology of Petroleum Lecture G.23.	Geology of Petroleum Lecture G.22.		
11-12	Geology of Petroleum Reading and Classwork G.22A.	Structural Geology of Petroleum Laboratory G.23A.	Principles of Geophysical Prospecting Laboratory G.24A.	Structural Geology of Petroleum Laboratory G.23A.	Geology of Petroleum Reading and Classwork G.22A.		
12-1							
2-3	Geology of Petroleum Reading and Classwork G.22A.	Structural Geology of Petroleum Laboratory G.23A.	Reading and Revision	Oilfield Drilling and Development Lecture G.21.	Oilfield Drilling and Development Lecture G.21.		
3-4						Structural Geology of Petroleum Laboratory G.23A.	Geology of Petroleum Reading and Classwork G.22A.
4-5							

Departmental archives

Second and third year Oil Technology timetables, 1958-59



ROYAL SCHOOL OF MINES, 1960.
STAFF AND POSTGRADUATE STUDENTS OF MINING GEOLOGY,
APPLIED GEOCHEMISTRY, OIL TECHNOLOGY AND APPLIED GEOPHYSICS

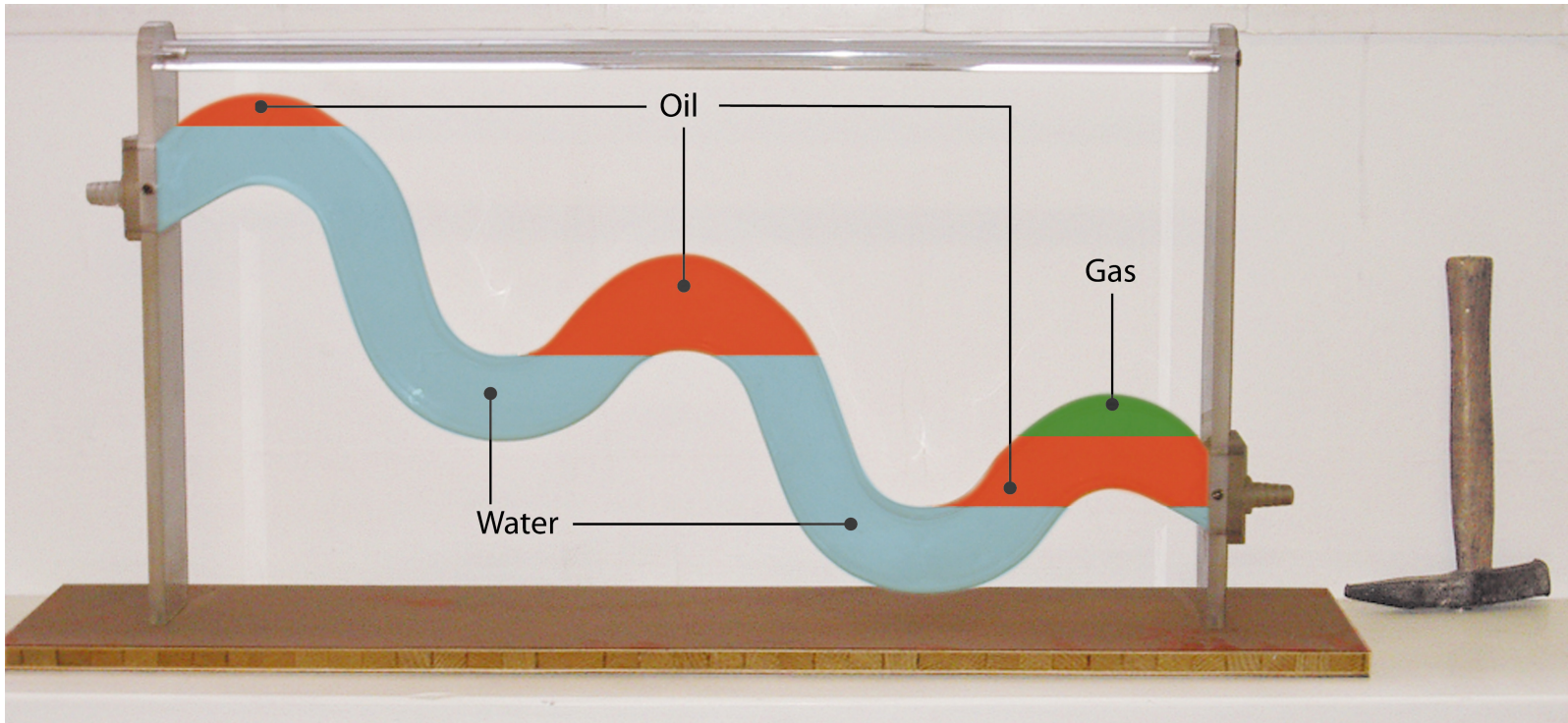


W. HOLMES, S. KAENBAIRDROON, B. JAMMEN, D. H. ELLIOTT, J. H. LATTER, J. H. HILL, J. A. MARTIN, I. GRAY, D. GOUGH, R. H. T. GARNETT, J. M. HALL.
J. P. MARSHALL, A. H. S. WILBRAHAM, D. C. K. ALLEN, R. TAYLOR, W. F. STEWART, J. GRIEVE, J. WILKINSON, F. J. SAWKINS, A. A. R. KHAN, W. J. LAMPARD.
P. JONES, R. J. KELLAND, M. W. BENNETT, R. BURT, M. H. MIAN, M. A. HUSSAIN, P. H. HAYK, A. ALAM, M. O. FEYIDE, M. S. ALAM, R. T. NICHOLSON, T. E. STEVENS, M. J. MASON.
M. S. SAFAH, M. A. MURKEE, S. S. NARA, M. H. ADIL, J. TAYLOR, A. BERGER, W. L. RIVERA, A. SALEHI, D. E. POWELL, R. BOZORGHIA, M. A. LEE.
DR. W. BKIBA, MR. S. E. COONDER, DR. A. P. HILLMAN, DR. G. D. HOBSON, PROFESSOR J. MCG. BRUCKSHAW, PROFESSOR D. WILLIAMS, MR. D. TAYLOR SMITH, DR. J. WEBB, DR. C. A. FOTHERGILL, MR. C. J. DIXON, DR. R. G. MASON.



Departmental archives

Oil Technology staff and students



Courtesy R C Selley

Apparatus constructed by Hobson to demonstrate the principle of differential entrainment



Departmental archives

John Bruckshaw

Professor of Applied Geophysics, 1955-69



Departmental archives

Ronald Mason

Lecturer in Geophysics, 1955-64

Reader, 1964-67

Professor of Pure Geophysics 1967-84



Michael Worthington

Professor of Geophysics, 1985-2001
Head of Geology Department, 1993-98



College archives

Helmut Jakubowicz

Professor of Petroleum Geophysics, 2007-13



Photo by Peter Ryan

Dan Gill

Professor of Oil Technology, 1961-76
Professor of Petroleum Geology, 1976-78



ROYAL SCHOOL OF MINES, 1962.
STAFF AND POSTGRADUATE STUDENTS OF MINING GEOLOGY
OIL TECHNOLOGY, APPLIED GEOCHEMISTRY AND GEOPHYSICS



Third Row H.R.STOCKFORD, B.L.OLDFIELD, D.GODUR, A.R.AL-SULTAN, K.VIEWING, G.M.B.HENDERSON, P.H.AFFE, J.A.CUSGADEN, A.A.DESHBUKH.
Second Row F.BARGER, D.JERKINSON, A.K.METRE, T.H.AL-UQAILI, S.MITRA, C.D.COSTA, A.THOMSON, F.GREGORY, R.CURTIS, A.SMITH, L.J.C.HENDERSON-HAMILTON.
First Row Dr. S.H.HALL, Mr. D.TAYLOR-SMITH, Dr. C.A.FOTHERGILL, Mr. S.E.COOPER, Dr. C.JAMES, Dr. R.STANTON, T.J.KELLY, Mr. G.KINGSTON, Dr. I.GRAY.
Front Row Miss A.MACDONALD, Miss W.LEWIS, Mrs. VINE, Miss J.HARVEY, Mrs. C.E.F.HALL, Prof. J.S.WEBB, Prof. D.WILLIAMS, Prof. W.D.GILL, Dr. A.P.HILLMAN, Mrs. J.NATAL, Mrs. F.VIEWING, Miss J.HOLDEN, Miss F.ROBERTSON

INTERNAL REORGANISATIONS IN THE RSM AND DIVISION OF THE OIL TECHNOLOGY COURSE

- 1974 Transfer of of the postgraduate Petroleum Reservoir Engineering Course to the Department of Mining and Mineral Technology. Course renamed Petroleum Engineering. Wall appointed the Professor of Petroleum Engineering.
- 1976 The Department of Mining and Mineral Technology renamed the Department of Mineral Resources Engineering (MRE). Oil Technology undergraduate programme renamed Petroleum Engineering and moved to MRE. The postgraduate Petroleum Geology Course remained in the Geology Department and Gill's title changed to the Professor of Petroleum Geology.
- 1990s MRE renamed the Department of Earth Resources Engineering (ERE). Discontinuation of the undergraduate Petroleum Engineering Course

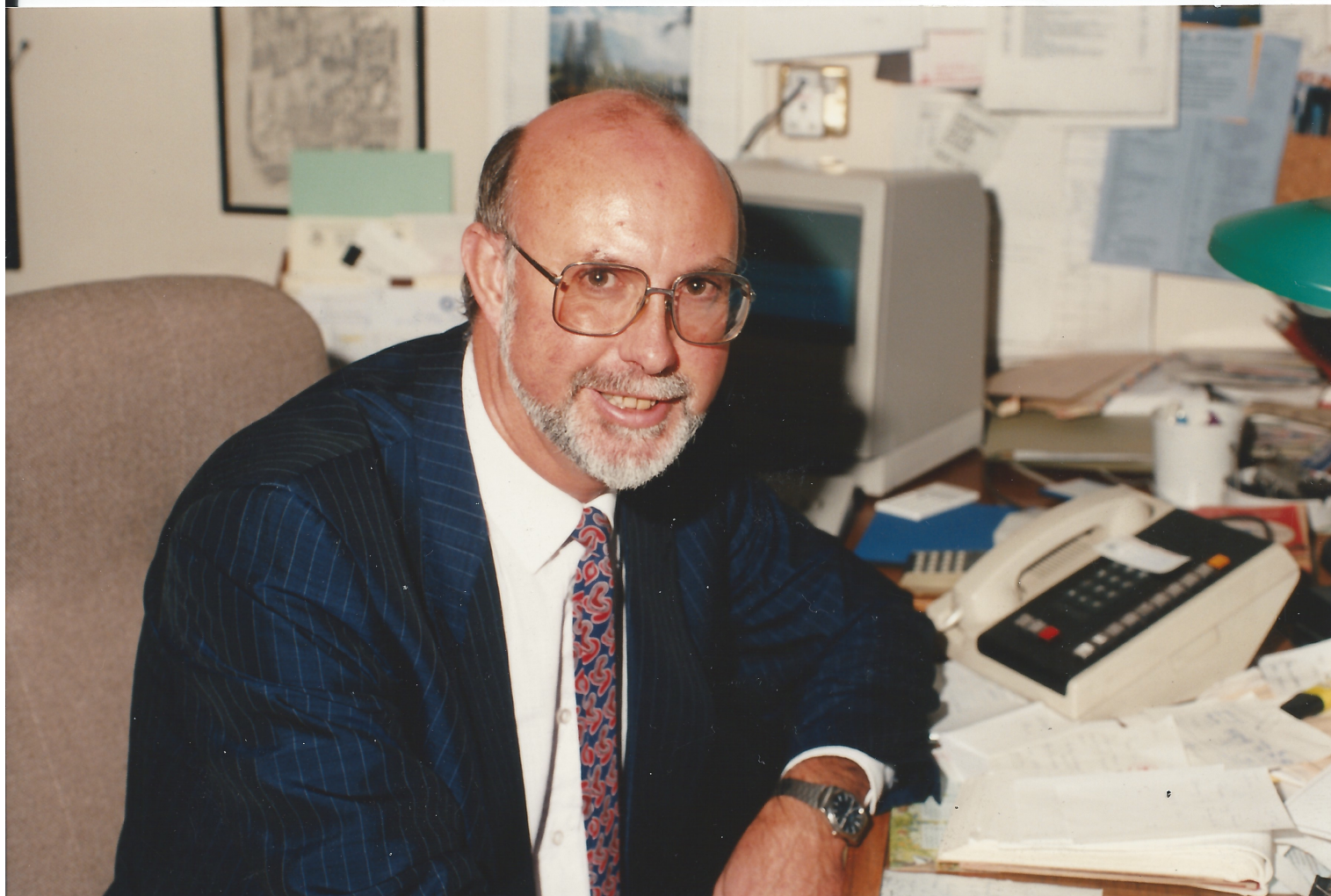


Departmental archives

Colin Wall

Reader in Oil Technology, 1967-74

Professor of Reservoir Engineering, 1974-86



Departmental archives

John Archer

*Reader in Petroleum Engineering, 1980-86
Professor of Petroleum Engineering, 1986-97*



Alain Gringarten

Professor of Petroleum Engineering, 1997-2013



Courtesy R C Selley

Robert Stoneley

Professor of Petroleum Geology, 1978-94