

Sir Arthur P. M. Fleming Dies; Researcher on Radar Was 80

**Developer of Manufacturing
Methods Also Aided Work
on Submarine Detection**

Special to The New York Times.

LONDON, Sept. 14—Sir Arthur P. M. Fleming, whose development of electronic techniques helped to make radar possible, died today at his home near Shanklin on the Isle of Wight. He was 80 years old.

Sir Arthur played a leading role in perfecting methods for manufacturing vacuum high-voltage equipment and thermionic valves, component parts of radar. A pioneer in the developing of submarine-detection equipment, he received honors during World War I for his work in this field.

Aided Westinghouse

Sir Arthur was with the Westinghouse Electric Company in Pittsburgh from 1900 to 1902, and then with British Westinghouse, subsequently the Metropolitan Vickers Electrical Company, in Manchester. For this company he was insulation expert, then transformer designer and, later, manager of research and education.

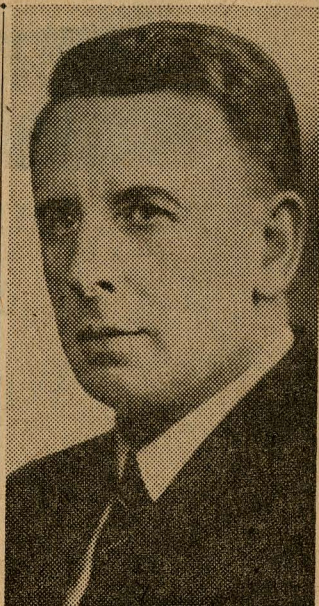
He was a member of the Ministry of the Labor Advisory Council of the Central Register in 1938 and chairman of the Electrical Engineering Committee of the Central Register of the Ministry of Labor in 1939.

Sir Arthur was educated at Portland House Academy on the Isle of Wight and at Finsbury Technical College in London.

He had served on the governing body of the Imperial College of Science and Technology, the delegacy of City and Guilds College, the War Cabinet Engineering Advisory Committee and Lord Hankey's Technical Personnel Committee in 1941.

Sir Arthur was a member of the Technical Personnel Committee set up in 1951, the Board of Education Committee on Training of Teachers and Youth Leaders, and the National Advisory Council for Further Education.

For his work in technical education and research he re-



**Sir Arthur P. M. Fleming
as he looked some time ago.**

ceived honorary degrees from the Universities of Manchester and Liverpool. He was knighted in 1945 for his services to education.

Sir Arthur was chairman of the Management Committee, Athlone Fellowships, 1950, and had been vice president of the British Association for Commercial and Industrial Education. He received the Thomas Hawksley Medal of the Institution of Mechanical Engineers in 1937 and the Faraday Medal of the Institution of Electrical Engineers, of which he was a former president, in 1941.

(M'14, F'34, MFL)
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Deceased
9/22/60
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