



OFFICE OF THE PRESIDENT

October 13, 1960

To Members of the Faculty:

I regret to announce the death of Dr. Samuel Hawks Caldwell, Professor of Electrical Engineering, on Wednesday, October 12. Dr. Caldwell had been associated with the Institute since enrolling as an undergraduate student in 1921. A member of the faculty since 1934, he made distinguished contributions in the design and operation of calculating and computing machines, the improvement of electrical equipment, and the logic and design of switching circuits.

Professor Caldwell received Bachelor of Science, Master of Science and Doctor of Science degrees from the Institute in 1925, 1926 and 1933 respectively. He was appointed a research assistant in 1926, became an instructor in electrical engineering in 1927, assistant professor in 1934, associate professor in 1940 and professor in 1947.

In recent years, Professor Caldwell was concerned with the development of a keyboard-controlled photographic composing machine for written Chinese, known as the Sinotype. This was the first such machine which can be used by Chinese-speaking operators without special training. In earlier work, Professor Caldwell was in charge of design, development and construction of a differential analyzer at the Institute, the world's first large-scale analogue computer. He served as a consultant in various fields and from 1940 to 1946 was associated with the National Defense Research Committee, for which work he received the U.S. Medal of Merit, the Naval Ordnance Development Award and the King's Medal for Service in the Cause of Freedom from Great Britain. He was a member of the American Academy of Arts and Sciences and several other professional and honorary societies. He was the author of a number of scientific papers, and the book, "Switching Circuits and Logical Design" published in 1958.

Professor Caldwell is survived by his wife, the former Elizabeth Lawless; his mother, Mrs. Margaret Powell of Philadelphia; a brother, Thomas, of Ambler, Pennsylvania; and five children: Samuel H. Jr., of Marion, Ohio; Richard L. of Alexandria, Virginia; Mrs. John Dowling of Burlington, Vermont; Patricia, of Cambridge and James E. Ward, of Watertown. Services will be held in the Plymouth Congregational Church, Belmont, at 1 p.m. Saturday, October 15.

J. A. Stratton

Caldwell
Death