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Luigi Emanuelli

LUIGI EMANUELI, AN INVENTOR, 75

**Electronics Engineer Dies—
Vice Chairman of Pirelli,
Wire and Cable Company**

MILAN, Italy, Feb. 17 (AP)—Luigi Emanuelli, electronics expert, died of a heart attack here today at the age of 75.

Signor Emanuelli was vice chairman of Pirelli, Italy's leading manufacturer of tires and submarine cables. Yesterday he had been awarded the Faraday Prize of the British Association of Electronic Engineers for his achievements in the electronics field.

Honored by U. S. Group

An industrial electrotechnical engineer, Signor Emanuelli was internationally known for his inventions. He was perhaps best known for his devising of oil-filled cables for the insulation of high-voltage electric current.

Last October, Signor Emanuelli became the forty-fifth person to receive honorary membership in the American Institute of Electrical Engineers.

Born in Milan, he received his electrotechnical engineering degree in 1906 from the Milan Polytechnic School. He joined the Pirelli company the next year as a research engineer in the cable department. Signor Emanuelli became the first to investigate scientifically the process of the impregnation of paper-insulated cables. For this purpose he designed porosimeters and viscosimeters associated with his name.

In 1918 Signor Emanuelli designed and supervised the manufacture of the first length of oil-filled cable, now called "Emanuelli cable." The next year he discovered the relationship between the porosity of insulating paper and the dielectric strength of the paper after impregnation.

In 1910 Signor Emanuelli had designed a telephone cable composed of continuously loaded copper conductors, paper insulation and a lead sheath. The Pirelli company made the cable, which was more than 100 miles long and then the world's longest telephone cable.

Through the years the inventor designed many improvements in submarine telephone cables.

Signor Emanuelli was general manager of Pirelli when he became vice chairman seven or eight years ago.

Survivors include his widow, Maria; a daughter, Signora Corinna Albergoni, and two grandchildren.

Luigi Emanuelli

MILAN, Feb. 17 (AP).—Luigi Emanuelli, seventy-six, Italian electronics expert, died after a heart attack today. Mr. Emanuelli was vice-president of Pirelli, Italy's leading manufacturer of tires and submarine cables. The day before his death he had won the Faraday Prize of the British Association of Electronic Engineers for achievements in electronics.