

1964

Dr. George C. Southworth

Class of 1914

The recipient of four national engineering medals and prizes, Dr. George Southworth was recognized as an authority on microwave radiation and waveguide transmission, and an originator of radio-astronomy.

A research pioneer in his field, he contributed much to the practical application of such knowledge both to radar and to cross-country transmission of audio and video signals. The awards he received are indicative of his work. For his early work on waveguides, he earned the Morris Liehmann Prize and the Medal of Honor, both awarded by the Institute of Radio Engineers. For his contribution to radio astronomy, he earned the Louis Levy Medal of the Franklin Institute in Philadelphia, and from the same Institute - the Stuart Ballentine Medal for contributions to the Techniques of Microwave Radio.

Beginning with experimental work at Grove City prior to World War II, Southworth continued research at the Bureau of Standards and Yale University. Southworth entered the Bell System in 1923. At American Telephone and Telegraph Company he was in the Development and Research Department, coordinating various short-wave radio telephone activities. He moved to the Labs in 1934 and their Research Department.

Southworth authored a textbook, *Principles and Applications of Waveguide Transmission*, later translated into Russian. In 1963 he wrote a second book, *Forty Years of Radio Research*. One chapter is devoted largely to student days at Grove City.

Southworth served on the Board of Trustees for Grove City College from 1954 to 1957.

He passed away July 6, 1972.

Additional degrees: Doctorate, Yale University; Honorary Doctor of Science, Grove City College

