

# Abstracts

## Biography - George Clark Southworth

---

*"Biography - George Clark Southworth." 1955 Transactions on Microwave Theory and Techniques 3.1 (Jan. 1955 [T-MTT]): 2-2.*

Born at Little Cooley, Pennsylvania, on August 24, 1890, Dr. Southworth did undergraduate work at Grove City College and graduate work at Columbia and Yale. Then for ten years he was a teacher and for many more years a research worker on the various frequency frontiers of radio. Beginning with experimental work at Grove City College prior to World War I and continuing with research work at the Bureau of Standards and Yale University during World War I, he has been with the Bell System since 1923. He is the author of a score or more of scientific papers on such diversified subjects as ultrashort waves, the dielectric properties of water at ultrahigh frequencies, radio wave propagation, antenna arrays, earth currents, and radio astronomy, as well as that for which he is best known, waveguides. His work culminated in 1950 in a 675-page textbook on microwave techniques, " Principles and Applications of Waveguide Transmission."

 [Return to main document.](#)