

GENEALOGY DATABASE ENTRY

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Gucker, Frank Thompson

1900 - 1973

DEGREE: PhD

DATE: 1925

PLACE: Harvard

TEACHER/RESEARCH ADVISOR: Richards

determined accurate heat capacities, heats of dilutions, sound velocities, and densities of solutions; developed a more sensitive penetrometer for measuring the efficiency of gas masks, starting his interest in aerosols; developed a counter for single particles in aerosols, which could also automatically establish the particle size distribution; produced the first measurements of the light scattered by single aerosol droplets and compared the results with computations based on Mie theory.

1. *J. Aerosol Science* **1973**, 4, i-iv.
2. *J. Colloid Interface Sci.* **1973**, 45, 220-222.