Wilson, Edgar Bright 1908 - 1992

DEGREE: PhD  DATE: 1933  PLACE: CalTech  

TEACHER/RESEARCH ADVISOR: Pauling

theoretical and experimental studies of IR and Raman spectra; pioneer in use of symmetry to simplify the quantum mechanics of vibrations; co-developed first relatively complete mathematical formulation of the rotational-vibrational motion of molecules (the FG matrix method); invented the Stark effect microwave spectrometer; used microwave spectroscopy to determine interatomic distances, hydrogen bonding, centrifugal distortions, bond rotation barriers, and rotational isomerism.

4.  See *J. Chem. Phys.* 1933, 1, 210 for confirmation of PhD advisor.