

Short CV for Frank Barnes

Frank Barnes received his B.S. from Princeton University in electrical engineering in 1954, his M.S., Engineer and Ph.D. from Stanford University in 1955, 1956, and 1958. He joined the University of Colorado in 1959. He was appointed a Distinguished Professor in 1997. He was elected to the National Academy of Engineering in 2001 and received the Gordon Prize 2004 for innovations in Engineering Education from the National Academy. He is a Fellow of IEEE, AAAS, and served as Vice President of IEEE for publication and as Chairman of the Electron Devices Society and President of the Bioelectromagnetics Society. He and his students have built lasers, flash lamps, superconductors, avalanche photo diodes and other electron devices. Recently they have been studying the effects of weak magnetic field on radical concentrations and changes in the growth rate of cancers and other cells, as well as energy storage and the integration of renewable energy into the grid.