Robert W. Jones, Ph.D.

EDUCATION: BA, Physics, Rutgers University, Newark, New Jersey, 1968.
MS, Physics, Fairleigh Dickinson U., Teaneck, N.J., 1970.
PhD, Plasma Physics, Stevens Inst. of Tech., Hoboken, N.J., 1975.

EXPERIENCE:

Professor of Physics Emporia State University, Emporia, KS, 1989 – present
I've explored the nature of thought, created the "Asa" artificial intelligence, and advanced theory pluralism.

Associate Chair (Head of) Physics Department, Emporia State University, Emporia, KS, 1988-1992. As the head of physics I led a 5 man department in charge of Bachelors and Masters degrees in Physics, Physical Science, and a two year pre-engineering program. I was elected to the Dean's advisory council for the College of Liberal Arts and Sciences, 1988-89.

Associate Professor of Physics and Computer Science: Math/Physical Science Division, Emporia State University, Emporia, KS, 1986-1989. I invented several new plasma confinement methods. Teaching responsibilities have included Analog and Digital Electronics, Solid State and Modern Physics, University Physics, Computer Interfacing, BASIC and FORTRAN. I was elected to the Faculty Senate. I supervised graduate student thesis projects.

Instructor: Math/Science Division, Brewer State Jr. College, Fayette, AL 1983-1986.
Teaching responsibilities included University Physics, Engineering Statics, Dynamics, Physical Science, Basic and Fortran computing.

Senior Lecturer: Physics Dept., National Univ. of Singapore, Republic of Singapore, 1981-1983.
As Principal Investigator of the Plasma Physics Group (composed of 4 members of the permanent academic staff and several technicians) I led nuclear fusion studies in Singapore (under NUS grant RP 36/80). The RSX device was operated with reactor grade plasmas, $n = 10^{14}/cc$ and $T = 4000$ eV.

Lecturer: Physics Dept., National Univ. of Singapore, Republic of Singapore, 1980-1981.
I discovered subclassical diffusion and set up the Plasma Laboratory at Kent Ridge. Teaching responsibilities included electronics, plasma physics, and the honors laboratory.

Research Fellow: Physics Dept., University of Natal, Durban, Natal, South Africa, 1977-1979.
I invented the high beta axisymmetric tandem cusp and self-propelling refueling pellet. I taught electronics and assisted in supervising several graduate student thesis projects.

Senior Scientist: Fusion Division, General Atomic Co., Gulf Oil Corporation, 1975-1977.
I originated the pump limiter concept and worked briefly on the design of Doublet III.

Postdoctoral Fellow: Beam-Plasma Lab, Physics Dept., Stevens Institute of Tech., 1975, Supervisor: Prof. Milos Seidl.
I explained the sideband instability as it appears in beam-plasma systems and supervised undergraduate (work/study) students.

Graduate Research Assistant: Beam-Plasma Lab, Stevens Inst. of Tech., 1972-1975, Supervisor: Prof. Wayne E. Carr.
I conducted the definitive experimental study of nonlinear absolute, convective, and oscillating beam-plasma instabilities and produced theoretical models of the oscillating instability and relaxation oscillations of plasma waves.

General Engineer: GS-11, Picatinny Arsenal, Dover, New Jersey, 1968-1971.
I was involved in a number of instrumentation projects as well as math modeling of the operation of mechanical devices. I developed the concept of modular computer codes.

Part-time Faculty and Research Assistant: Physics Dept., Fairleigh Dickinson Univ., 1969-1970.
With X-ray camera techniques I observed crystal state changes as a function of temperature. I taught several laboratory classes, a first term physics lecture course, and an introductory E&M lecture.

HONORS:

Honors Research Fellow	1969-1970
Stanley Fellow	1974-1975
Faculty Senate	1987-1989
Dean's Council	1988-1989