

CLAY THOMAS WHITEHEAD

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Age 28; married, no children

S.B., M.I.T., 1960, electrical engineering (4.3/5.0)
S.M., M.I.T., 1961, electrical engineering (4.5/5.0)
E.E., M.I.T., 1962, electrical engineering (4.5/5.0)
Communications, system engineering, operations research
N.S.F. Graduate Fellow 1960 - 1962
Eta Kappa Nu, Tau Beta Pi, Sigma Xi

Ph.D. in management expected 9/67 from M.I.T. (4.7/5.0)
Management decision-making and systems analysis; operations research;
economics; R&D management.

Thesis: the uses and limitations of systems analysis in the
Department of Defense.

Major professional interest: the theory and application of improved
decision processes for top management decisions that combine technological
change, quantitative analyses, and management judgements.

Professional Experience

Bell Telephone Laboratories, Murray Hill, N.J.
About ten months between 1958 and 1960 under the MIT cooperative program.
Experimental design development of pulse and analog electronic equipment.

The RAND Corporation, Santa Monica, California
Summer 1961: Examined the operational potential of advanced undersea
detection techniques; mathematical economic study of the impact of
alternative inspection rules on the stability of arms control agreements.
Summer 1962: Participated in a systems analysis study of the NATO air
defense system. Feb - Nov 1963: Spacecraft system studies; participation
in the recommendation to NASA of a preferred in-space checkout concept for
the Apollo spacecraft. Since Nov 1963: Part-time research on new
techniques for decisions on spacecraft reliability augmentation.

U.S. Army, Edgewood Arsenal, Maryland
Apr 1964 - Sep 1965: 1st Lt., Army chemical and biological headquarters
operations research group. Performed systems analyses of field army
chemical alarm systems. Technical monitor of a systems analysis study
of strategic biological detection systems and a study of civil defense
applications.

Bureau of the Budget, Washington, D.C.
Summer 1966: Co-authored suggested analytic framework for allocating
IRS enforcement resources. Developed an improved analytic framework for
decisions about Federal support of graduate students.

Teaching experience: undergraduate courses in signal analysis and in electronics.
graduate course in mathematical models in the social sciences.