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Resume of John McReynolds Wozencraft, 1969

Wozencraft, John McReynolds

Monterey, California: Naval Postgraduate School

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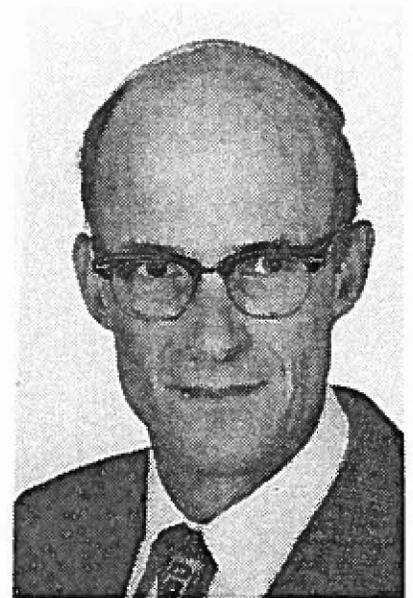
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RESUME OF JOHN McREYNOLDS WOZENCRAFT

John Wozencraft was born in Dallas, Texas in September 1925. He graduated from the US Military Academy in 1946 and was commissioned in the US Army Signal Corps.

After a variety of military assignments (among them, field communications duty, graduate studies at M.I.T., duty at the Signal Corps Engineering Laboratories and as a Tactical Officer at West Point) he resigned from the Regular Army in 1955 and re-entered M.I.T. as a Research Assistant and doctoral student, receiving the Sc.D. degree in 1957.

He was appointed Assistant Professor of electrical engineering at M.I.T. in 1957, where he was promoted to Associate Professor and Professor in 1959 and 1964, respectively. He is currently Professor of Electrical Engineering and Chairman of the Command, Control, and Communications Academic Group at the Naval Postgraduate School.



He originated the concept of Sequential Decoding as his doctoral dissertation, and has been active in developing many other ideas in modern communication theory, information theory and in computer linguistics. His principal research during the years 1953-65 was directed towards unification of the ideas of modulation and coding, and led to the most efficient (in terms of energy to noise ratio) communication techniques developed to date. This work culminated in a textbook, Principles of Communication Engineering, written in conjunction with I.M. Jacobs. Most of his results, plus those of many of his doctoral students, are documented in this book. During the years 1966-69 he became interested in the semantics of computer programming languages.

Prof. Wozencraft is a Fellow of the Institute of Electrical and Electronics Engineers, a member of the Board of Governors of the IEEE Information Theory Group and has served as a member of the US National Committee of the International Radio Scientific Union. For many years he was a consultant to the M.I.T. Lincoln Labs, and from 1964-65 served as a member of the Command and Control Panel of the President's Science Advisory Council. From 1969-72 he was Head of the Communications Division of the Lincoln Labs and manager of the SurvSat Program. During 1972-74 he took a leave of absence from M.I.T. to serve as Dean of Research at the Naval Postgraduate School. He is currently a member of the Science Advisory Group to the Defense Communications Agency.