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PROGRAM OF RESEARCH ON THE MANAGEMENT  
OF RESEARCH AND DEVELOPMENT

Department of Industrial Engineering and Management Sciences  
The Technological Institute  
Northwestern University  
Evanston, Illinois

AGING, CREATIVITY, INTER-SPECIALITY MOBILITY,  
RETRAINING, AND TECHNICAL OBSOLESCENCE OF  
SCIENTIFIC AND TECHNICAL PERSONNEL: A SELECTED  
BIBLIOGRAPHY

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ABSTRACT

This bibliography was prepared for the Fourth NASA-Northwestern University Workshop on In-House Management Research and Organizational Design held on January 15-16, 1970 at Northwestern University. The entries included were selected on the basis of their relevance to the following typical researchable questions and organizational design questions: "How to help engineers and scientists change fields or specialties in mid-career?" "What is the effect of age on the scientist's and engineer's ability to redirect or change his career?" "What is technical obsolescence, how should it be measured, and how is it related to 'organizational aging'?" "What is the role of continuing education in preventing technical obsolescence?" "What are the concerns of research scientists and engineers who are reassigned into development activities?"

For these particular areas, this bibliography supplements several others prepared as part of Northwestern University's Program of Research on the Management of Research and Development: "Selected References on the Administration of Research and Development," (67/58), June 1967; "A Bibliography on Interface, Liaison, and Technology Transfer," (68/28), November 1968; "Annotated Bibliography on Organizational Design," (69/55), December, 1969.

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