

CONTENTS

	Page
Letter of Transmittal	III
The Chairman's Foreword	VII
The Director's Statement	IX
 The Seventh Annual Report—A Summary	 XVII
 STUDIES AND REPORTS RELATING TO NATIONAL SCIENCE POLICIES	
Introduction	3
Survey of the United States Research and Development Effort . .	5
Federal Financial Support of Research Facilities and Equipment .	12
Status of High-Energy Nuclear Research in the United States . .	14
A Plan To Assure an Adequate Supply of Mineral Resources . . .	19
Proposal To Establish a Geophysical Institute in Hawaii	22
Research Results of Government-Supported Synthetic Rubber Program (1942-55) Made Available to the Public	23
United States Participation in the Brussels Universal and Inter- national Exhibition of 1958	24
 A PHOTOGRAPHIC SAMPLING OF FOUNDATION-SUPPORTED ACTIVITIES .	 25
 PROGRAM ACTIVITIES OF THE NATIONAL SCIENCE FOUNDATION	
Support of Basic Research in the Sciences	34
Research Programs	34
Research-Related Activities	50
Evaluation and Coordination of Research Programs	51
Fiscal Analysis of Research Programs	53
Conferences in Support of Science	57
Training and Education in the Sciences	67
Fellowship Program	67
Scientific Manpower Program	69
Institutes Program	71
Special Projects in Science Education	72
Exchange of Scientific Information	79
Foreign Science Information Program	79
Government Research Information Program	82
Scientific Documentation Program	84
The International Geophysical Year	89

APPENDICES	Page
A. National Science Board, Staff, Committees, and Advisory Panels	98
B. Grants for Basic Research	113
C. Grants Other than Research	161
D. Fellowship Awards	179
E. Grants for International Geophysical Year Program	212
F. Financial Report	220
G. Publications Resulting From National Science Foundation Research Grants	222
H. Publications of the National Science Foundation	276