## **CONTENTS**

Letter of Transmittal
The Chairman's Foreword.
The Director's Statement.
REAPPRAISAL AND REORGANIZATION—THE STATUS OF SCIENCE I
THE UNITED STATES, 1958-59
The Federal Government and Science Policy
The President's Science Advisory Committee
Federal Council for Science and Technology
Increased NSF Responsibilities
Other Changes in Government Organization for Science.
Proposals To Alter the Federal Science Structure
Establishment of a Department of Science
Calls From the Scientific Community for Increased Efforts in
Critical Scientific Areas
Medical Research
Oceanographic Research
High Energy Physics
Changing Role of the National Science Foundation in Federa
Science Organization
A Photographic Sampling of Foundation-Supported Activities
PROGRAM ACTIVITIES OF THE NATIONAL SCIENCE FOUNDATION
Support of Basic Research in the Sciences.
Research Programs
Division of Biological and Medical Sciences
Current Research Support
Facilities for Research in the Biological and Medica
Sciences
Division of Mathematical, Physical and Engineering
Sciences
Current Research Support
The National Observatories
Facilities for Research in the Mathematical, Physi-
cal, and Engineering Sciences
Office of Social Sciences
Current Research Support
Office of Special International Programs—Antarctic Research Program
Current Research Support
Suitent Research Support

## PROGRAM ACTIVITIES OF THE NATIONAL SCIENCE FOUNDATION—Continued

~~114114~W
Support of Basic Research in the Sciences—Continued
Significant Research Developments
Research-Related Activities
Scientific Conferences and Symposia
Support of Travel to International Meetings
Training Aspects of Research Grants
Fiscal Analysis of Research Programs
Training and Education in the Sciences
Fellowship Programs
Graduate Fellowships (Predoctoral)
Postdoctoral Fellowships
Senior Postdoctoral Fellowships
Science Faculty Fellowships
Summer Fellowships for Secondary School Teachers of
Science and Mathematics
Summer Fellowships for Graduate Teaching Assistants
Cooperative Graduate Fellowships
NATO Science Fellowships
Institute Programs
Summer Institutes
Academic Year Institutes
In-Service Institutes
Special Projects in Science Education
Secondary School Programs
College Programs and Teacher Improvement Programs
International Science Education Programs
Course Content Improvement Program
Course Content Studies and Development
Supplementary Teaching Aids
Scientific Manpower Program
The National Register of Scientific and Technica
Personnel
Scientific Manpower Studies
Exchange of Scientific Information
Documentation Research
Studies of Scientists' Information Requirements
Research on Information Storage and Retrieval
Mechanical Translation
Research Information Center and Advisory Service of
Information Processing
Research Conferences
Foreign Science Information
Translation of Russian Scientific Documents
Translation Centers

## PROGRAM ACTIVITIES OF THE NATIONAL SCIENCE FOUNDATION—Continued

	Exchange of Scientific Information—Continued
	Foreign Science Information—Continued
	Special Information Resources
	Studies and Surveys
	Oversea Activities
	Publications and Information Services
	Support of Scientific Publications
	Support of Information Services
	Studies and Surveys
	Unpublished Research Information
	Inventory of Government Scientific Reporting
	Unpublished Research Reports
	Other Activities
	Surveys of the National Research and Development Effort
	Total National Activity
	Federal Government
	Industry
	Colleges and Universities
	Other Nonprofit Institutions
	Special International Programs
	International Geophysical Year
	Summary of Preliminary Results of the IGY
	World Data Centers
	Moscow Meeting of the CSAGI
	International Geophysical Cooperation—1959
	Annals of the IGY
	U.S. Antarctic Research Program
	General
	Operation of the U.S. Antarctic Research Program
	Cooperation with International Science Activities of Other
	Government Agencies
	International Cooperation Administration
	Department of State
Арр	ENDICES
A. 1	National Science Board, Staff, Committees, and Advisory
	Panels
В. І	Financial Report for Fiscal Year 1959
G. 6	Grants for Basic Research
D. (	Grants for Other Than Basic Research
	Grants for the International Geophysical Year Program
	Fellowship Awards
	Publications