Contents

Letter of Transmittal ii Director's Statement 1 Research Support Activities 9 Mathematical and Physical Sciences 12 Biological and Medical Sciences 27 Environmental Sciences 34 Engineering 50 Social Sciences 53 Interdisciplinary Research Relevant to Problems of Our Society 55 Science Education Support 57 Graduate Education in Science 60 Undergraduate Education in Science 63 Pre-College Education in Science 68 Public Understanding of Science 73 Institutional Programs Science Development 75 Graduate Science Facilities 77 Institutional Grants for Science 77 Computing Activities in Education and Research 80 Sea Grant Programs 85 Science Information International Science Activities 93 Planning and Policy Studies 97 **Appendices** A. National Science Board, NSF Staff, Advisory Committees and Panels 104 B. Organizational Changes and Appointments 118 C. Financial Report for Fiscal Year 1970 121 D. Patents Resulting from Activities Supported by the National Science Foundation 123

E. Publications of the National Science

Foundation, Fiscal Year 1970 124