

REFERENCES

SIDEBAR QUOTES:

EXECUTIVE SUMMARY

Page 1

House of Representatives. *Unlocking Our Future: Toward a New National Science Policy* (1998): 16.

Page 2

Executive Office of the President, Office of Management and Budget. *The President's Management Agenda: Fiscal Year 2002*, Chapter 8, "Better R&D Investment Criteria, Department of Energy" (2001): 43.

CHAPTER I: INTRODUCTION

Page 9

President Dwight D. Eisenhower, "Farewell Address," January 17, 1961, in John J. Newman and J.M. Schmalbach, *United States History* (1998): 590.

CHAPTER II: NATIONAL POLICY CONCERNS AND NEEDS

Page 14

Representative George E. Brown, Jr. "Past and Prologue: Why I am Optimistic About the Future," in *AAAS Science and Technology Policy Yearbook*, Washington DC: American Association for the Advancement of Science (1999): 24.

Page 20

Council on Competitiveness. *Endless Frontier, Limited Resources/U.S. R&D Policy for Competitiveness*, Washington, DC: Council on Competitiveness (1996): 4.

Page 22

Albert H. Teich. "An Introduction to R&D in the Federal Budget," in *Research & Development Report XXIII*, AAAS, Intersociety Working Group (1998): 14.

BOXED TEXT:**Page 17***Box One:*

National Science and Technology Policy, Organization, and Priorities Act of 1976 (Public Law 94-292); and Executive Order 12881, November 23, 1993, establishing the National Science and Technology Council.

Page 19*Box Two:*

Steven W. Popper, C. S. Wagner, D. L. Fossum, and W.S. Stiles. *Setting Priorities and Coordinating Federal R&D Across Fields of Science: A Literature Review* (2000): 12-13; and U.S. House of Representatives. *Unlocking Our Future: Toward a New National Science Policy* (1998): 48.

Page 23*Box Three:*

On the Congressional Budget Office and General Accounting Office: Congressional Budget Impoundment and Control Act, PL 92-599, 1974; Telephone conversations with staff members from Congressional Research Service and the General Accounting Office, July 2001. On Office of Technology Assessment: PL 92-484, 1972; Daniel S. Greenberg. 1998. "Restore Congress's think tank," in *Journal of Commerce* (November 30, 1998): 4A. On Congressional mechanisms: Discussions with Congressional staff, December, 2000; Symposium discussion, May 21, 2001 and Popper et al., 7-12.

FIGURES:**Page 11**

FIGURE 1: U. S. R&D/GDP: 1953-2000.

Source: National Science Foundation/Division of Science Resources Studies, *National Patterns of R&D Resources* (annual series).

Page 13

Figure 2: SHARES OF NATIONAL R&D FUNDING BY SOURCE: 1953-2000

Source: National Science Foundation/Division of Science Resources Studies, *National Patterns of R&D Resources* (annual series).

Page 21

Figure 3: SHARES OF FEDERAL RESEARCH BY FIELD

Source: National Science Foundation/Division of Science Resources Studies, *Survey of Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001*.