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The Government-University Partnership

Scientific research and development (R&D) involved total expenditures of about \$77 billion in the United States in fiscal 1982.¹ The federal government provided about 47 percent of R&D funding and industry about 50 percent.* Although only 10 percent (an estimated \$7 billion) of all U.S. R&D was carried out in universities in 1982, this included about 50 percent (about \$4.6 billion) of the nation's basic research. The federal government is the major source of funds for academic science, supplying about 66 percent of the support for all university R&D and about 70 percent of the support for basic research.³

In this chapter we look at the evolution of the government-university partnership and its characteristics today. From the perspective of the 1980s, it is difficult to recall the attitude toward federal support of academic research that prevailed before World War II or to appreciate the great transformation of our universities that resulted from the massive postwar infusion of federal funds. The war, however, marked a turning point, not a beginning, in government-university relations. The origins of our system of academic science and of government's approach to meeting its needs in science and technology go back to the nation's first years.

*In 1940 the nation's research and development budget was \$345 million. Of this total, \$234 million or 68 percent came from industry, 19 percent from the federal government, 9 percent from colleges and universities, and 4 percent from other sources, including private foundations and endowments.²

Strengthening The Government University Partnership In Science

JR Anderson



Strengthening The Government University Partnership In Science:

Strengthening the Government-university Partnership in Science Committee on Science, Engineering, and Public Policy (U.S.). Ad Hoc Committee on Government-University Relationships in Support of Science,1983 *Strengthening the Government-university Partnership in Science* National Academy of Sciences (U.S.),1983 Strengthening the Government-university Partnership in Science ,1983 *The Federal Government and the University Research Infrastructure* United States. Congress. House. Committee on Science and Technology. Task Force on Science Policy,1986 **Academic Science, Higher Education, and the Federal Government, 1950-1983** John Todd Wilson,1983 Since World War II the federal government and institutions of higher education have shared an unprecedented association John T Wilson is among the relatively few people who have played roles on both sides of this relationship In this essay he examines the substance of the relationship with an eye to the future reviewing the policies and programs that have governed federal support of academic science and higher education during the past thirty years **National Academy Press ... Publications Catalog** ,1985 **The Government Role in Civilian Technology** Institute of Medicine,National Academy of Engineering,National Academy of Sciences,Committee on Science, Engineering, and Public Policy,Panel on the Government Role in Civilian Technology,1992-02-01 As U S industry faces worldwide challenges policymakers are asking questions about the role of the federal government not only in promoting basic research but also in ushering new innovations to the marketplace This book offers an expert consensus on how government and industry together can respond to the new realities of a global marketplace The volume offers firm conclusions about policy and organizational changes with the greatest potential to improve our technological competitiveness and presents three alternative approaches for a new federal role The volume examines How federal involvement in technology development affects the nation s economic well being What we can learn from past federal efforts to stimulate civilian technology development in the United States and among our major industrial competitors How trends in productivity R D and other key areas have affected U S performance and how we compare to the world s rising industrial economies Offering guidance on one of the 1990s most important issues this volume will be indispensable to federal policymakers executives in industry and technology and researchers *United States Code* United States,2018 *The Regulatory Environment for Science* ,1986 Data Science in the Public Interest: Improving Government Performance in the Workforce Joshua D. Hawley,2020-07-22 This book is about how new and underutilized types of big data sources can inform public policy decisions related to workforce development Hawley describes how government is currently using data to inform decisions about the workforce at the state and local levels He then moves beyond standardized performance metrics designed to serve federal agency requirements and discusses how government can improve data gathering and analysis to provide better up to date information for government decision making

Strengthening The Government University Partnership In Science Book Review: Unveiling the Magic of Language

In an electronic digital era where connections and knowledge reign supreme, the enchanting power of language has become more apparent than ever. Its capability to stir emotions, provoke thought, and instigate transformation is actually remarkable. This extraordinary book, aptly titled "**Strengthening The Government University Partnership In Science**," compiled by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we shall delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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