

Appendix E — Contractor Reports

Full copies of Contractor Reports done for this project are available through the National Technical Information Service (NTIS), either by mail (U.S. Department of Commerce, National Technical Information Service, Springfield, VA 22161) or by calling them directly at 703/487-4650.

Higher Education (NTIS order #PB 88-177 951/AS)

1. "The Apollo Program: Science and Engineering Personnel Demand Created by a Federal Research Mission, " Arnold S. Levine, Consultant
2. "Institutional Productivity: The Undergraduate Origins of Science and Engineering Ph.D.s," Betty D. Maxfield, Consultant
3. "The History of Engineering Education: Perennial Issues in the Supply and Training of Talent," Steven L. Goldman, Lehigh University

Elementary and Secondary Education (NTIS order #PB 88-177 944/AS)

1. "Images of Science: Factors Affecting the Choice of Science as a Career, " Robert E. Fullilove, University of California, Berkeley
2. "Identifying Potential Scientists and Engineers: An Analysis of the High School-College Transition," Valerie E. Lee, University of Michigan

International Comparisons (NTIS order #OB 88-177 969/AS)

1. "Japan's Science and Engineering Pipeline: Structure, Policies, and Trends," William K. Cummings, Harvard University
2. Soviet Science and Engineering Education and Work Force Policies: Recent Trends," Harley Balzer, Georgetown University

Funding for Higher Education: Part I (NTIS order #PB 88-177 928/AS)

1. "Federal Funding of Science and Engineering Education: Effect on Output of Scientists and Engineers, 1945 -1985," Betty M. Vetter, Commission on Professionals in Science and Technology, and Henry Hertzfeld, Consultant
2. "science in the Steady State: The Changing Research University and Federal Funding," Edward J. Hackett, Rensselaer Polytechnic Institute

¹Guy R. Neave's report, "Science and Engineering Work Force Policies: Western Europe," is only available through the Science, Education, and Transportation Program office 202/228-6920.

Funding for Higher Education: Part II (NTIS order #PB 88-177 936/AS)

1. "Industrial Support of University Training and Research: Implications for Scientific Training in the "Steady State," Michael E. Gluck, Harvard University
2. "Financial Assistance, Education Debt and Starting Salaries of Science and Engineering Graduates: Evidence From the 1985 Survey of Recent College Graduates," Applied Systems Institute, Inc., Richard Wabnick (Principal Investigator)