References

- 1. American Cancer Society, Cancer Facts and Figures: 2982 (New York, ACS, 1980).
- 2, Aspirin Myocardial Infarction Study Research Group, "A Randomized Controlled Trial of Aspirin in Persons Recovered From Myocardial Infarction," *JAMA* 243:661-669, Feb. 15, 1980.
- 3. Banta, H. D., and Behney, C. J., "Medical Technology: Policies and Problems, "Health *Care Mgt. Rev.* 5(4):45-52, fall 1980.
- Banta, H. D., and Thacker, S. B., "Policies Toward Medical Technology: The Case of Electronic Fetal Monitoring," *Am. J. Public Health* 69(9):931-935, 1979.
- 5. Begg, C., Carbone, P., Elson, P., et al., "The Participation of Community Hospitals in Can*cer* Clinical Trials: The Analysis of Five Years Experience in the Eastern Cooperative Oncology Group, " in press.
- 6. Begg, C., Zelen, M., Carbone, P., et al., "Cooperative Groups and Community Hospitals: Measurement of Impact in the Community Hospitals, " in press.
- Hospitals, " in press.
 Behney, C. J., "The Turning Outward of the National Institutes of Health," paper presented at the Annual Meeting of the Association for the Advancement of Medical Instrumentation, Washington, D. C., Apr. 1, 1978.
- 8. Beta-Blocker Heart Attack Study Group, "The Beta-Blocker Heart Attack Trial, " JAMA 246:2073-2074, 1981.
- 9. The Blue Sheet, "NCI: A Progress Report," The *Blue Sheet* 24(21):3-4, May 27, 1981.
- 10. Brown, J., Wooten, F. T., and Fisher, W., "Technology Transfer in Medicine," CRC *Critical Reviews in Bioengineering* 4(i):45-79, December 1979.
- 11. Chalmers, T. C., "Who Will Fund Clinical Trials?" *The Sciences* 22:6-8, 1982.
- 12. Clark, A., "Luck, Merit, and Peer Review, " *Science* 215(4528): 11, Jan. 1, 1982.
- Cole, J. R., and Cole, S., Peer Review in the National Science Foundation: Phase Two of a Study (Washington, D. C.: National Academy Press, 1981).
- Cole, S., Cole, J. R., and Simon, G. A., "Chance and Consensus in Peer Review," *Science* 214(4523):881-886, Nov. 20, 1981.
- Cole, S., Rubin, J. R., and Cole, J. R., "Peer Review in the National Science Foundation," *Sci.* Am. 237:34, 1977.
- Comroe, J. D., and Dripps, R. D., "Ben Franklin and Open Heart Surgery, " *Cir. Res.* 35:661-669, November 1974, cited in U.S.

House of Representatives, Committee on Interstate and Foreign Commerce, Subcommittee on Health and the Environment, *investigation of the National Institutes of Health* (Washington, D. C.: U.S. Government Printing Office, August 1976).

- Coombs, J., Silversin, J., and Drolette, M., "Policy Research Related to Diffusion of Medical Technologies," *J.Dent.Educ.* 44(9):520-525, 1980.
- Dans, P. E., "Issues Along the Potomac: 'Efficacy' and 'Technology Transfer, " *South. Med. J.* 70(10):1225-1231, October 1977.
- 19. DeVita, V. T., Jr., "Cancer Patient Survival: An Update, " typescript, Nov. 3, 1981.
- 20, Doll, R., and Pete, R., "The Causes of Cancer: Quantitative Estimates of Avoidable Risks of Cancer in the United States Today, " J.Natl. Cancer Inst. 66:1191-1308, 1981.
- F.D.C. Reports, "Biomedical Research Funding Role for Industry is Limited, Sandos Exec. Says," *FDC Reports*, Feb. 15, 1982, p. 9.
- 22. Fries, J. F., "Aging, Natural Death, and the Compression of Morbidity, " N. Eng. J. Med. 303:130-135, 1980.
- 23. Fries, J. F., and Crapo, L., *Vitality and Aging* (San Francisco: W. H. Freeman & Co., 1981).
- 24. Fudenberg, H. H., "Fiscal Returns of Biomedical Research," J. Inves. Derm. 61:321-329, cited in U.S. House of Representatives, Committee on Interstate and Foreign Commerce, Subcommittee on Health and the Environment, Investigation of the National Institutes of Health (Washington, D. C.: U.S. Government Printing Office, August 1976).
- 25. General Accounting Office, U.S. Congress, letter to the Honorable Henry A. Waxman concerning the NCI Bioassay Program, July 26, 1978.
- 26. _____ letter to the Honorable Henry A. Waxman concerning the NCI Bioassay Program, Mar. 30, 1979.
- 27 <u>Better</u> Accountabilit, Procedures Needed in NSF and NIH Research Grant Systems (Washington, D. C.: GAO, Sept. 30, 1981).
- 28 _____ The Objectives of the Cancer Control Program and the National Cancer Institute's Administration of Program Contracts (Washington, D. C.: GAO, June 13, 1980).
- 29. Greer, A. L., "Advances in the Study of Diffusion of Innovation in Health Care Organizations," *Milbank Mere. Fund Q.* 155(4):505-529,

fall 1977.

- Handler, P., "On Biomedical Science," News *Rpt.* 32:3-6, February 1982.
- Health Care Financing Administration, Office of Research, Demonstration, and Statistics, "Table A-2. Personal Health Care Expenditures, by Type of Expenditure and Source of Funds," *Health Care Fin. Tr.* 2(3):3, summer 1981.
- 32. Health Resources Administration, National Council of Health Planning and Development, *Studies of the Implications of New Medical Technologies*, August 1976.
- Hodgson, T. A., National Center for Health Statistics, personal communication, December 1980.
- Hypertension Detection and Follow-up Program Cooperative Group, "Five-Year Findings of the Hypertension Detection and Follow-up Program," JAMA 242:2562-2571, Dec. 7, 1979.
- 35. Hypertension Detection and Follow-up Program Cooperative Group, "Five-Year Findings of the Hypertension Detection and Follow-up ProgramJ" JAMA 247:633-638, 1982.
- Joint National Committee Report, "Detection, Evaluation, and Treatment of High Blood Pressure," JAMA 237:235-261, 1977.
- 37. Kannel, W. B., "Meaning of the Downward Trend in Cardiovascular Mortality," *JAMA* 247:877-880, 1982.
- Knudson, A. G., Genetic Predisposition to Cancer in Orgins of Human Cancer, H. H. Hiatt, J. D. Watson, and J. A. Winsten (eds.) (Cold Spring Harbor, N. Y.: Cold Spring Harbor Laboratory, 1977).
- Lancet editorial, "Aspirin After Myocardial Infarction," Lancet 1:1172-1173, 1980.
- Lancet editorial, "Why the American Decline in Coronary Heart Disease?" Lancet 1:183-184, 1980.
- 41. **Lederberg, J.,** Annual Report of the President, Rockefeller University, 1980-81, typescript, no date.
- 42. Levy, R., and Sondik, E., "Decision-Making in Planning Large Scale Comparative Studies," *Ann. N. Y. Acad. Sci.* 304:441-457, 1978.
- Mushkin, S., Biomedical Research: Costs and Benefits (Cambridge, Mass.: Ballinger Publishing Co., 1979).
- 44. National Academy of Sciences, Institute of Medicine, A Review: National Cancer Program Plan (Washington, D. C.: IOM, Apr. 6, 1973),
- 45. _____, Evaluating Medical Technologies in Clinical Use (Washington, D. C.: National Academy Press, January 1981).

- 46 National Center for Health Care Technology, NCHCT Technology Assessment Forum, "Coronary Artery Bypass Surgery, " JAMA 246: 1645-1649, Oct. 9, 1981.
- National Center for Health Statistics, Annual Summary of Births, Deaths, Marriages and Divorces: United States, 1980, Monthly Vital Statistics Report, DHHS publication No. (PHS) 81-1120, Sept. 17, 1981.
- 48. National Institutes of Health, 1982 *NIH Almanac*, NIH publication No. 81-5, 1981.
- 49. <u>Basic Data Relating to the National Institutes</u> of Health: 1981, May 1981.
- 50. _____ Grants Peer Review: Report to the Director, 'Phase Z, December 1976.
- 51. _____ Grants Peer Review: Report to the Director, 'Phase II, December 1978,
- 52. _____ NIH Extramural Programs, NIH publication No. 80-33, July 1980.
- "NIH Programs for Disseminating the Results' of Research, " internal document, August 1977.
- 54. ____, *NIH Publications List*, NIH publication No. **81-7**, July 1981.
- 55. ____, NIH Record, January 1982.
- 56. _____, "National Institutes of Health, Forward Plan, FY 1977-81, " internal document, Apr. 30, 1975,
- 57. _____, "National Institutes of Health Research Plan, FY 1982-84–Draft," draft report, July 1980.
- 58. ____, National Institutes of Health Research Plan, FY 1983-85, December 1981.
- 59. _____ Director's Oversight Committee on the Office 'for Medical Applications of Research, "Report of the Director's Oversight Committee on the Office for Medical Applications of Research," internal document, Sept. 24, 1980.
- 60. _____, Division of Legislative Analysis, "Statutory Authority of the Institutes of the National Institutes of Health in the Area of Technology Assessment and Transfer, " internal document, March 1981.
- 61 National Institutes of Health, National Cancer Institute, *Cancer Patient Survival: Report Number 5*, L. M. Axtell, A. J. Asire, and M. H. Myers (eds.), publication No. (NIH) 77-992, 1976.
- 62. ____, Division of Resources, Centers, and Community Activities, 1981 Annual Report, 1981.
- 63. ____, 1980 NCI Fact Book, April 1981.
- 64. _____, "Report of Working Group 8, 1975," cited in **GAO** report, June 13, 1980.

- 6.5. _____, SEER Program: Cancer Incidence and Mortality in the United States: 1973-1976, J. L. Young, A. J. Asire, and E. S. Pollack (eds.), DHEW publication No. (NIH) 78-1837, 1978.
- 66. _____, Division of Cancer Treatment, "Future Direction in Extramural Clinical Trials, " internal document, September 1980.
- 67. _____, Division of Cancer Treatment, "Subcommittee Report for Clinical Trials Review, " internal document, Sept. 1, 1979.
- 68. National Institutes of Health, National Cancer Program, 1980 Director's Report and Annual Plan, FY 1982-86, 1981.
- 69. ____, The National Cancer Program: Strategic Plan, January 1973.
- <u>Report of the National Cancer Advisory Board</u>, Annual Volumes 1977, 1978, FY 1978, 1980, 1981.
- 71. ____, Report of the National Cancer Advisory Board Ad Hoc Subcommittee on Nutrition and Cancer, typescript, Feb. 3, 1982.
- National Institutes of Health, National Heart and Lung Institute, "First Annual Report of the Director of the National Heart and Lung Institute," DHEW publication No. (NIH) 74-514, 1974.
- 73. ____, Office of Program Planning and Evaluation, "Annual Emerging Technology List" (mimeo), 1980.
- 74, ____, "Interim Registry of PTCA" (mimeo), 1982.
- 75. _____, Office of Program Planning and Evaluation, "NHLBI Medical Application Program (MAP) Program Plan" (mimeo), 1981.
- Office of Program Planning and Evaluation, "'Technology Transfer in the National Heart, Lung, and Blood Institute" (mimeo), 1979.
- 77, _____ "National Program Coordination, Volume 1: '1979 Report of the Interagency Technical Committee on Heart, Blood Vessel, Lung, and Blood Diseases and Blood Resources, " publication No. 81-2181, 1980.
- , "The Public and High Blood Pressure: Six-Year Follow-up Survey of Public Knowledge and Reported Behavior," publication No. 81-2118, 1981.
- 79. _____, "Research Pathways to Modern Medicine: Eighth Report of the Director, " 1980.
- 80! National Institutes of Health, Office for Medical Applications of Research, "Medical Journal Publications of Consensus Reports, " unpublished internal report, 1980.
- 81 ____, NIH Consensus Development Summaries, ongoing.

- 82 National Science Foundation, *Federal Funds for Research and Development: Fiscal Years, 1980,* 2981, and 1982, publication No. NSF 81-325 (Washington, D. C.: NSF, 1981).
- 83< _____, "Total Federal R&D Funding Estimated to Increase7% in 1982 After September Revisions," in Science Resources Studies: Highlights, publication No. NSF 81-321 (Washington, D. C.: NSF, Dec. 15, 1981).
- 84. **Obey, D. R.,** remarks, *Congressional Record, p. H7953,* Aug. 27, 1980.
- Office of Technology Assessment, U.S. Congress, Assessing the Efficacy and Safety of Medical Technologies, GPO stock No. 052-003-00593-0 (Washington, D. C.: U.S. Government Printing Office, September 1978).
- Assessment of Technologies for Determining' Cancer Risks From the Environment, GPO stock No. 052-003-00832-7 (Washington, D. C.: U.S. Government Printing Office, June 1981).
- *Cancer Testing Technology and Saccharin, 'GPO* stock No. 052-003 -00471-2 (Washington, D. C.: U.S. Government Printing Office, October 1977).
- Development of Medical Technology: Opportunities for Assessment, GPO stock No. 052-003 -00217-5 (Washington, D. C.: U.S. Government Printing office, August 1976).
- The Implications of Cost-Effectiveness Analysis of Medical Technology, GPO stock No. 052-003-00765-7 (Washi ngton, D. C.: U.S. Government Printing Office, August 1980).
- 90. _____, "The National Center for Health Care Technology and Medical Technology Assessment Policy," staff paper, March 1981.
- 91. ____, "The National Library of Medicine, " staff paper, Mar. 16, 1981.
- 92. ____, Strategies for Medical Technology Assessment, in press, 1982.
- 93. ____, *Technology and Handicapped People*, in press, 1982.
- 94. Office on Smoking and Health, The Health Consequences of Smoking for Women: A Report of the Surgeon General (Washington, D. C.: Public Health Service, 1980).
- Perry, S., and Kalberer, J., "The NIHConsensus-Development Program and the Assessment of Health-Care Technologies," *N. Eng. J. Meal*, 303:169-172, 1980.
- Pete, R., Doll, R., Buckley, J. D., et al., "Can Beta-carotene Materially Reduce Human Cancer Rates?" *Nature* 290:201-208, 1981.
- 97. President's Biomedical Research Panel, Report of the President's Biomedical Research Panel,

DHEW publication No. (OS) 76-500 (Washington, D. C.: DHEW, Apr. 30, 1976).

- 98. _____, Report of the President's Biomedical Research Panel, Appendix A: The Place of Biomedical Science in Medicine and the State of the Science, DHEW publication No. (OS) 76-501 (Washi ngton, D. C.: DHEW, Apr. 30, 1976).
- 99. ____, Report of the President's Biomedical Research Panel, Appendix B: Approaches to Policy Development for Biomedical Research: Strategy for Budgeting and Movement From Invention to Clinical Application, DHEW publication No. (OS) 76-502 (Washington, D. C.: DHEW, Apr. 30, 1976).
- 100. _____, Report of the President's Biomedical Research Panel, Appendix D: Selected Staff Papers, DHEW publication No. (OS) 76-504 (Washington, D. C.: DHEW, Apr. 30, 1976).
- 101. Public Health Service, Office of Health Research, Statistics, and Technology, *Health United States 2980* (Hyattsville, Md.: DHHS, October 1980).
- 102. Rauscher, F. J., Jr., "Research and the National Cancer Program," Science 189:115-119, 1975.
- Rennie, D., "Consensus Statements," N. Eng. J. Med. 304(11):665-666, 1981.
- 104. Rice, D. P., and Hodgson, T. A., "Social and Economic Implications of Cancer in the United States, " paper presented to the Expert Committee on Cancer Statistics of the World Helath Organization and International Aging for Research on Cancer, Madrid, Spain, June 20-26, 1978.
- 105. Schoenberger, J. A., "The Downward Trend in Cardiovascular Mortality: Challenge and Opportunity for the Practitioner," *JAMA* 247:836, *1982*.
- 106. Shekelle, R. B., Lui, S., Raynor, W. J., Jr., et al., "Dietary Vitamin A and Risk of Cancer in the Western Electric Study," *Lancet* 2: 1185-1190, Nov. 28, 1981.
- 107. Sherman, J. F., "The Organization and Structure of the National Institutes of Health, "*N. Eng. J. Med.* 297(1):18-26, *1977*.
- 108< Smart, C. R., "Progress in Cancer Patient Management in Community Hospitals," *Bulletin* 66(9):5-13, September 1981.
- 109 Strickland, S. P., and Pfeiffer, B. V., "Some Questions About the Heart and Lung Research

Act," Health Policy Program, School of Medicine, University of California, San Francisco, 1975.

- 110. Stress, J. K., and Harlan, W. R., "Dissemination of Relevant Information on Hypertension," *JAMA* 246:360-362, 1981.
- 111. Tilson, D., Reader, J., and Morison, R., "The Federal Interest," in *The Diffusion of Medical Technology, G.* Gordon and G. L. Fisher (eds.) (Cambridge Mass.: Ballinger Publishing Co., 1975).
- 112. Toxic Substances Strategy Committee, *Toxic Chemicals and Public Protection*, Report to the President (Washington, D. C.: U.S. Government Printing Office, 1980).
- 113. U.S. House of Representatives, Committee on Interstate and Foreign Commerce, Subcommittee on Health and the Environment, *Hearings: Health Research Act of 1980* (Washington, D. C.: U.S. Government Printing Office, 1980).
- 114. ____, *Investigation of the National Institutes* of *Health* (Washington, D. C.: U.S. Government Printing Office, August 1976).
- U.S. Senate, Committee on Agriculture, Nutrition, and Forestry, Subcommittee on Nutrition, Hearings, June 12 and 13, 1978 (Washington, D. C.: U.S. Government Printing Office, 1978).
- 116. U.S. Senate, Committee on Human Resources, Subcommittee on Health and Scientific Research, *Hearing on the National Institutes of Health Care Research Act of 1978* (Washington, D. C.: U.S. Government Printing Office, 1978).
- 117. ____, Quarsight of Biomedical and Behavioral Research in the United States, 1977 (Washington, D. C.: U.S. Government Printing Office, 1977).
- 118. Wagner, L., Natonal Institutes of Health, Office of Program Planning and Evaluation, personal communication, Feb. 4, 1982.
- 119. Yarbro, J. W., "Back to Square One," *Field Liaison Newsletter*, Commission on Cancer, American College of Surgeons, January 1982.
- 120. Zelen, M., "Strategy and Alternate Randomized Designs in Cancer Clinical Trials, "*Cancer Clinical Trials*, in press.