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| 1.7 "Appendix: Economics of Milk Production and Distribution in Pennsylvania" (H. A. Simon, J. E. Holtzinger, and F. K. Miller), Report of the Public Members of the Governor's Milk Control Inquiry Committee, Commonwealth of Pennsylvania, February 1, 1965. | 80 |
| 1.8 "Air Quality and Automobile Emission Control: Summary Statement," A report by the Coordinating Committee on Air Quality Studies, National Academy of Sciences and National Academy of Engineering, Vol. 1, Summary Report, U.S. Government Printing Office September 1974, H. A. Simon, Chairman. | 99 |

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|-----|--|-----|
| 3.4 | "The Effects of Atomic Power on National or Regional Economies," <i>Economic Aspects of Atomic Power</i> , edited by S. H. Schurr and J. Marschak, pp. 219-247. Princeton: Princeton University Press, 1950. | 325 |
| 3.5 | Atomic Power and the Industrialization of Backward Areas," <i>Economic Aspects of Atomic Power</i> , edited by S. H. Schurr and J. Marschak, pp. 248-273. Princeton: Princeton University Press, 1950. | 354 |
| 3.6 | "Heuristic Problem Solving: The Next Advance in Operations Research" (H. A. Simon and A. Newell), <i>Operations Research</i> 6 (1958): 1-10. | 380 |
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