

Notes

2. *Love at First Sight: 1939–1945*

1. James Phinney Baxter III, *Scientists Against Time* (Boston: Little, Brown, 1946), p. 138.
2. *Ibid.*, p. 236.
3. R. G. Hewlett and O. E. Anderson Jr., *A History of the U.S. Atomic Energy Commission*, vol. 1, 1939/1946 (Berkeley: University of California Press, 1989), p. 20.
4. *Ibid.*, p. 47.
5. *Ibid.*, p. 394.
6. *Ibid.*, p. 396.
7. *Ibid.*, p. 415.
8. Jerome B. Wiesner, *Biographical Memoir of Vannevar Bush* (Washington, D.C.: National Academy of Sciences, 1979), p. 89.
9. Vannevar Bush, *Pieces of the Action* (New York: Morrow, 1970), p. 26.
10. *Ibid.*, p. 302.

3. *Courtship: 1945–1955*

1. R. G. Hewlett and O. E. Anderson Jr., *A History of the U.S. Atomic Energy Commission*, vol. 1, 1939/1946 (Berkeley: University of California Press, 1989), p. 505.

2. R. G. Hewlett and J. M. Holl, *A History of the U.S. Atomic Energy Commission*, vol. 3, 1953/1961 (Berkeley: University of California Press, 1989), p. 99.

3. Richard Mandel, *A Half Century of Peer Review (1946–1996)* (Alexandria, Va.: Division of Research Grants, National Institutes of Health, Logistic Applications, 1996), p. 21.

4. *Ibid.*, p. 39.

5. *Ibid.*, p. 65.

4. *Marriage: 1955–1965*

1. R. E. Bilstein, *Orders of Magnitude: A History of the NACA and NASA, 1915–1990*, NASA SP-4406 (Washington, D.C.: NASA, 1990), p. 59.

2. R. G. Hewlett and J. M. Holl, *Atoms for Peace and War. 1953–1961: Eisenhower and the Atomic Energy Commission (A History of the Atomic Energy Commission, vol. 3)* (Berkeley: University of California Press, 1989), p. 495.

3. *Ibid.*, p. 209.

4. *Ibid.*, p. 537.

5. Richard Mandel, *A Half Century of Peer Review (1946–1996)* (Alexandria, Va.: Division of Research Grants, National Institutes of Health, Logistic Applications, 1996), p. 96.

5. *End of the Honeymoon: 1965–1975*

1. Richard Mandel, *A Half Century of Peer Review (1946–1996)* (Alexandria, Va.: Division of Research Grants, National Institutes of Health, Logistic Applications, 1996), p. 147.

2. *Ibid.*, p. 148.

6. *Estrangement and Reconciliation: 1975–1985*

1. T. R. Fehner and Jack M. Holl, *Department of Energy, 1977–1994: A Summary History* (Oak Ridge, Tenn.: Office of Scientific and Technical Information, 1995), p. 22.

2. *Ibid.*, p. 26.

3. *Ibid.*

4. *Ibid.*, p. 27.

5. *Ibid.*, p. 30.

6. *Ibid.*, p. 31.

7. G. T. Mazuzan, *Good Science Gets Funded: The Historical Evolution of Grant Making at the National Science Foundation* (Washington, D.C.: National Science Foundation, 1992), p. 77.

8. Ibid., p. 78.
9. Ibid., p. 79.
10. Ibid.
11. Richard Mandel, *A Half Century of Peer Review (1946–1996)* (Alexandria, Va.: Division of Research Grants, National Institutes of Health, Logistic Applications, 1996), p. 153.
12. Ibid., p. 179.

7. *Golden Anniversary: 1985–1995*

1. T. R. Fehner and Jack M. Holl, *Department of Energy, 1977–1994: A Summary History* (Oak Ridge, Tenn.: Office of Scientific and Technical Information, 1995), p. 60.
2. Ibid., p. 47.
3. Ibid., p. 75.
4. Ibid., p. 76.
5. Ibid., p. 88.
6. Ibid.
7. Ibid.
8. Ibid., p. 46.

8. *The Future: 2000 and More*

1. The distinction between the two halves of the R&D budget and the budget figures cited in the text and the charts in figure 8.1 are from National Academy of Sciences Committee on Criteria for Federal Support of Research and Development, *Allocating Federal Funds for Science and Technology* (Washington, D.C.: National Academy Press, 1995). There have been new federal science budgets in the interval between 1995 and the present, but these do not significantly modify the general content of this chapter. For example, the Clinton administration's spending figures for FY 2000 indicate that R&D outlays would come to \$73.6 billion, about 0.5 percent more than the projected expenditures in FY 1999; see *Physics Today* 52, no. 4 (April 1999): 56.
2. National Academy of Sciences, *Allocating Federal Funds*, p. 27.

