Selections from the Roger and Helga Stuewer Library

1. Roger H. Stuewer, *The Compton Effect: Turning Point in Physics*. Canton, MA: Science History Publications, 1975.
2. Roger H. Stuewer, *Nuclear Physics in Retrospect. Proceedings of a Symposium on the 1930s.* Minneapolis: University of Minnesota Press, 1979.
3. Rutherford Aris, H. Ted Davis, Roger H. Stuewer (Eds.), *Springs of Creativity. Essays on Founders of Modern Science*. Minneapolis: University of Minnesota Press, 1983.
4. *Physics in Perspective*. Vol. 1, No. 1. March 1999.
5. Roger H. Stuewer, *The Age of Innocence. Nuclear Physics between the First and Second World Wars*. Oxford: Oxford University Press, 2018.
6. Chun C. Lin, Roger H. Stuewer, and John H. Van Vleck, "'On Minnesota' gave Wisconsin its popular fight song." *Alumni News* (University of Minnesota): December 1976/January 1977: 1, p. 4.
7. James Gray, *The University of Minnesota, 1851–1951*. Minneapolis: The University of Minnesota Press, 1951.
8. John T. Tate, *Die experimentelle Bestimmung der Verdämpfungswärme einiger Metalle* [The Experimental Determination of the Heat of Vaporization of Various Metals]. PhD dissertation, University of Berlin, 1914.
9. Alfred O. C. Nier and John Van Vleck, *John Torrence Tate (1889–1950). A Biographical Memoir*. National Academy of Sciences, 1975.
10. Frederick Hugh Fellows, *J. H. Van Vleck: The Early Life and Work of a Mathematical Physicist*. PhD dissertation, University of Minnesota, 1985.

11. John H. Van Vleck, “The Normal Helium Atom and its Relation to the Quantum Theory.” *Philosophical Magazine* 44 (1922): 842–869.
12. John H. Van Vleck, “The Absorption of Radiation by Multiply Periodic Orbits, and Its Relation to the Correspondence Principle and the Rayeigh-Jeans Law.” 2 Pts. *Physical Review* 24: 330–346, 347–365.
13. John H. Van Vleck, “Quantum Principles and Line Spectra.” *Bulletin of the National Research Council* 10, Pt. 4. Washington, D.C.: National Research Council, 1926.
14. John H. Van Vleck, “Note on the Postulates of the Matrix Quantum Dynamics.” *Proceedings of the National Academy of Sciences* 12 (1926): 385–388.
15. Werner Heisenberg, *The Physical Principles of the Quantum Theory*. Chicago: University of Chicago Press, 1930.
16. John H. Van Vleck, “Travels with Dirac in the Rockies.” Pp. 7–16 in Abdus Salam and Eugene P. Wigner (Eds.), *Aspects of Quantum Theory*. Cambridge: Cambridge University Press, 1972.
17. Paul Adrien Maurice Dirac, *Principles of Quantum Mechanics*. Oxford: Clarendon, 1930.
18. John H. Van Vleck, *The Theory of Electric and Magnetic Susceptibilities*. Oxford: Oxford University Press, 1932.
19. Sixth Solvay Conference, Brussels, October 20–25, 1930, proceedings.

Selections from the Roger and Helga Stuewer Library

20. Alessandro Volta. *L'Opera. Alessandro Volta. Scelta di Scritti Originali*. Milano: Presso La Sede Centrale dell' A.E.I. e Presso l'Editore Ulrico Hoepli, 1927.
21. Bence Jones, *The Life and Letters of Faraday*. 2 Vols. London: Longmans, Green, and Co., 1870.
22. James Clerk Maxwell. *A Treatise on Electricity and Magnetism*. 2 Vols. 2nd Ed. Oxford: Clarendon Press, 1881.
23. Hermann von Helmholtz. *Vorlesungen über Theoretische Physik*. 6 Vols. Leipzig: Barth, 1897–1907. Vol. 4 (1897): *Vorlesungen über Elektrodynamik und Theorie des Magnetismus*. Vol. 5 (1907): *Vorlesungen über die Elektromagnetische Theorie des Lichts.*
24. Albert A. Michelson, *Velocity of Light. Facsimile of Laboratory Notebook*.
25. William Thomson (Lord Kelvin), *Baltimore Lectures on Molecular Dynamics and the Wave Theory of Light*. London: C. J. Clay and Sons, 1904. Appendix B: “Nineteenth Century Clouds over the Dynamical Theory of Heat and Light.”
26. Albert Einstein. “Über das Relativitätsprinzip und die aus demselben gezogenen Folgerungen” [On the relativity principle and the conclusions drawn from it]. *Jahrbuch für Radioaktivität und Elektronik* 4 (1907): 411–462.
27. Max Planck. *Vorlesungen über die Theorie der Wärmestrahlung*. Leipzig: Barth, 1906.
28. Thomas S. Kuhn, *Black-Body Theory and the Quantum Discontinuity, 1894–1912*. Oxford: Oxford University Press, 1978.
29. First Solvay Conference, Brussels, October 30–November 3, 1911, proceedings.

30. *Die Naturwissenschaften*. Vol. 11, No. 27. July 1923. *Die ersten zehn Jahre der Theorie von Niels Bohr über den Bau der Atome*.
31. Hans Kramers and Helge Holst, *Bohrs atomteori: almenfatteligt fremstillet*. Copenhagen: Gyldendal Nordisk forlag, 1922.
32. Arnold Sommerfeld (1868–1951). *Atombau und Spektrallinien.* Braunschweig: Vieweg, 1919 (1st ed.), 1921 (2nd ed.), 1922 (3rd ed.), 1924 (4th ed.). *Wellenmechanischer Ergänzungsband*. Braunschweig: Vieweg, 1929
33. Arnold Sommerfeld, *Atomic Structure and Spectral Lines*. London: Methuen, 1923. Translation of third edition of Sommerfeld's *Atombau und Spektrallinien*.
34. Erwin Schrödinger, "Quantisierung als Eigenwertproblem." 4 Pts. *Annalen der Physik* 79 (1926): 361–376, 489–527, (80): 437–490, (81):109–139; "Über das Verhältnis der Heisenberg-Born-Jordanschen Quantenmechanik zu der meinen." *Annalen der Physik* 79 (1926): 734–756.
35. Richard Courant and David Hilbert, *Methoden der mathematischen Physik I*. Berlin: Springer, 1924.
36. Max Born, *Vorlesungen über Atommechanik*. Vol. 1. Berlin: Springer, 1924.
37. Max Born and Pascual Jordan, *Elementare Quantenmechanik*. Berlin: Springer, 1930.
38. Como Conference, September 11–20, 1927, proceedings.
39. Fifth Solvay Conference, Brussels, October 24–29, 1927, proceedings.