

References

1. Allardice, C., Trapnell, E. R.: *The First Reactor*. Washington, D.C., U. S. Research and Development Administration, Office of Public Affairs, 1967 (LCC50514).
2. Allen, H. S.: Charles Glover Barkla (1877–1944). *Obit Notices Fellows Royal Soc.* **5**: 340–366 (1945–1948).
3. Allison, S. K.: Arthur Holly Compton, research physicist. *Science* **138**: 794–797 (1962).
4. Allison, S. K.: Arthur Holly Compton. Biographical memoirs. *Natl. Acad. Sci. Bio. Mem.* **37**: 81–110 (1965).
5. Allison, S. K., Clark, G. L., Duane, W.: The influence on secondary x-ray spectra of placing the tube and radiator in a box. *Proc. Natl. Acad. Sci.* **10**: 379–384 (1924).
6. Allison, S. K., Duane, W.: Absorption measurements of certain changes in the average wavelength of tertiary rays. *Proc. Natl. Acad. Sci.* **10**: 196–199 (1924).
7. Allison, S. K., Duane, W.: Experiments on the wavelength of scattered x-rays. *Phys. Rev.* **26**: 300–309 (1925).
8. Amaldi, E.: *La Vita e l'Opera di Ettore Majorana*. Rome, Accad. Naz. dei Lincei, 1966.
9. Amaldi, E., D'Agostino, O., Fermi, E., Pontecorvo, B., Rasetti, F., Segrè, E.: Radioattività provocata da bombardamento di neutroni. *VII. Ric. Scient.* **5**: 467–470 (1934).
10. Amaldi, E., D'Agostino, E., Fermi, E., Pontecorvo, B., Rasetti, F., Segrè, E.: Artificial radioactivity produced by neutron bombardment. II. *Proc. Roy. Soc. (A)* **149**: 522–558 (1935).
11. Amaldi, E., D'Agostino, O., Fermi, E., Rasetti, F., Segrè, E.: Radioattività "beta" provocata da bombardamento di neutroni. III. *Ric. Scient.* **5**: 452–453 (1934).
12. Anderson, H. L., Fermi, E., Szilard, L.: Neutron production and absorption of uranium. *Phys. Rev.* **56**: 284–286 (1939).
13. Anderson, H. L.: Fermi, Szilard and Trinity. *The Legacy of Fermi and Szilard. Bull. Atom. Sci.* **30**: 30–47, 56–62 (1974).
14. Andrade, E. N. da C.: William Henry Bragg (1862–1942). *Obit. Notices Fellows Royal Soc. London* **4**: 277–300 (1943).
15. Andrade, E. N. da C.: Max Planck. *Nature* **161**: 284 (1948).
16. Andrade, E. N. da C.: *Rutherford and the Nature of the Atom*. New York, Doubleday, 1964.
17. Anonymous: The scattering of x-rays. *Nature* **114**: 627–628 (1924).
18. Astbury, W. T.: Sir William Bragg. *Obituary Notice. Nature* **149**: 347–348 (1942).
19. Barkla, C. G.: Secondary radiation from gases subject to x-rays. *Phil. Mag.* **5**: 685–698 (1903).
20. Barkla, C. G.: Energy of secondary roentgen radiation. *Phil. Mag.* **7**: 543–560 (1904).
21. Barkla, C. G.: Polarization in secondary roentgen radiation. *Proc. Roy. Soc. (A)* **77**: 247–255 (1906).
22. Barkla, C. G.: The atomic weight of nickel. *Nature* **75**: 368 (1907).
23. Barkla, C. G.: The nature of x-rays. *Nature* **76**: 661–662 (1907).
24. Barkla, C. G., Sadler, C. A.: The absorption of roentgen rays. *Phil. Mag.* **17**: 739–760 (1909).
25. Barkla, C. G., White, M. P.: Note on the absorption of scattering of x-rays and the characteristic radiations of J-series. *Phil. Mag.* **34**: 270–285 (1917).
26. Bartlett, A. A.: Compton effect: historical background. *Am. J. Phys.* **52**: 120–127 (1964).
27. Bartlett, A. A.: *Inauguration Ceremonies, The Duane Physical Laboratories*. Boulder, University of Colorado, 1972.
28. Bartlett, A. A.: The Frank C. Walz Lecture Halls: a new concept in the design of lecture auditoria. *Am. J. Phys.* **41**: 1233–1240 (1973).
29. Behnken, H.: Die Eichung von Dosimessern in absoluten Masse in der physikalisch-technischen Reichsanstalt. *Fortschr. Geb. Röntgenstr.* **32**: 92–94 (1924).
30. Berkeley Papers on History of Science: *Max Planck, a Bibliography of His Non-technical Writings*. Berkeley, University of California, 1977.
31. *Berkeley Papers in History of Science II: William Henry Bragg and William Lawrence Bragg. A Bibliography of Their Non-technical Writings*. Berkeley, History of Science and Technology, University of California, 1978.
- 31b. Berkeley Papers on History of Science. Werner Heisenberg. A bibliography of his writings. (Compiled by David C. Cassidy and Marthe Baker) Berkeley, History of Science and Technology, University of California, 1984.
32. Biquard, P.: *Frédéric Joliot-Curie et l'Energie Atomique*. France, Pierre Seghers Publishing, 1961.
33. Birks, J. B. (Ed.): *Rutherford at Manchester*. New York, W. A. Benjamin, Inc., 1963.
34. Blackett, P. M. S.: Jean-Frédéric Joliot. *Biographical Memoirs of Fellows of the Royal Society* **6**: 87–101 (1960).
35. Blackwood, J. R.: *The House on College Avenue. The Comptons at Wooster, 1981–1913*. Cambridge, Massachusetts, M.I.T. Press, 1968.
36. Blake, F. C., Duane, W.: The value of "h" as determined by means of x-rays. *Phys. Rev.* **10**: 624–636 (1917).
37. Blumberg, S. A., Owens, G.: *Energy and Conflict. The Life and Times of Edward Teller*. New York, G. P. Putnam's Sons, 1976.
38. Bohr, A.: The war years and the prospect raised by the atomic weapons. In *Niels Bohr. His Life and Work As Seen By His Friends and Colleagues*. Rozental, S. (Ed.), New York, John Wiley and Sons, Inc., 1967, pp. 191–214.
39. Bohr, H.: My father. In *Niels Bohr. His Life and Work As Seen By His Friends and Colleagues*. Rozental, S. (Ed.), New York, John Wiley and Sons, Inc., 1967, pp. 191–214.
40. Bohr, N.: Determination of the surface tension of water by the method of jet vibration. *Phil. Trans. Roy. Soc.* **209**: 281–317 (1909).
41. Bohr, N.: *Studier Over Metallernes Electrontheori*. (Doctoral Thesis.) University of Copenhagen, 1911.
42. Bohr, N.: On the constitution of atoms and molecules. *Phil. Mag.* **26**: 1–25 (1913).
43. Bohr, N.: On the constitution of atoms and molecules. II. Systems containing only a single nucleus. *Phil. Mag.* **26**: 476–502 (1913).
44. Bohr, N.: On the constitution of atoms and molecules. III. Systems containing several nuclei. *Phil. Mag.* **26**: 857–875 (1913).
45. Bohr, N.: Spectra of helium and hydrogen. *Nature* **92**: 231–233 (1913).

46. Bohr, N.: On the series spectrum of hydrogen and the structure of the atom. *Phil. Mag.* **29**: 332–335 (1915).
47. Bohr, N.: Das Quantenpostulat und die neuerer Entwicklung der Atomistik. *Naturwissenschaften* **16**: 245–257 (1928).
48. Bohr, N.: Wirkungsquantum und Naturbeschreibung. *Naturwissenschaften* **17**: 483–486 (1929).
49. Bohr, N.: Light and life. Deuxième Congress International de la Lumière. Copenhagen. *Nature* **131**: 421–457 (1933).
50. Bohr, N.: Neutron capture and nuclear constitution. *Nature* **137**: 344–348 (1936).
51. Bohr, N.: Neutroneneinfang und Bau der Atomkerne. *Naturwissenschaften* **24**: 241–245 (1936).
52. Bohr, N.: *Atomic Physics and Human Knowledge*. New York, John Wiley, 1948.
53. Bohr, N.: Medical research and natural philosophy. *Acta Med. Scand.* **266**: 967–972 (1952).
- 53b. Bohr, N.: Address at the opening ceremony, Seventh International Congress of Radiology. *Acta Radiologica*, **116**: 15–18 (1954).
54. Bohr, N.: Quantum physics and biology. *Symp. Soc. Exp. Biol.* **14**: 1–5 (1960).
55. Bohr, N.: *Atomic Theory and the Description of Nature*. London, Cambridge University Press, 1961.
56. Bohr, N.: Reminiscences of the founder of nuclear science and of some developments based on his work. In *Rutherford at Manchester*, Birks, J. B. (Ed.), New York, W. A. Benjamin, Inc., 1963, pp. 114–167.
57. Bohr, N.: Open letter to the United Nations. In *Niels Bohr. His Life and Work As Seen By His Friends and Colleagues*, Rozental, S. (Ed.), New York, John Wiley and Sons, Inc., 1967, pp. 340–354.
58. Bohr, N., Moseley, H. G. J.: Atomic models and Röntgen-ray spectra. *Nature* **92**: 553–544 (1914).
59. Bohr, N., Rosenfeld, L.: Zur Frage der Messbarkeit der elektromagnetischen Feldgrößen. *Kgl. Danske Seliska. Math. Fys. Med.* **12**: 1–65 (1933).
60. Bohr, N., Wheeler, J. A.: The mechanism of nuclear fission. *Phys. Rev.* **56**: 426–450 (1939).
61. Born, M.: Max Karl Ernst Ludwig Planck. *Royal Society of London. Obituary Notices* **17**: 161–188 (1948).
62. Born, M.: *Atomic Physics*. 6th Ed., New York, Hafner, 1959.
63. Born, M., Biem, W.: Dualism in quantum theory. *Phys. Today* **21**: 51–56 (1968).
64. Bragg, Sir W.: Craftsmanship and science (Inaugural Address, British Association for Advancement of Science). *Nature* **22**: 353–363 (1928).
65. Bragg, Sir W.: Crystal structure of organic substance in its relation to medicine (Huxley Lecture). *Lancet* **2**: 1290–1298 (1929).
66. Bragg, Sir W.: X-rays in the factory. *Br. J. Radiol.* **10**: 513–516 (1931).
67. Bragg, Sir W.: X-rays and the coarse structure of materials (15th MacKenzie Davidson Memorial Lecture). *Br. J. Radiol.* **17**: 144–154 (1935).
68. Bragg, Sir W.: Scientific research under the auspices of the Royal Society (Anniversary Address). *Science* **85**: 165–171 (1937).
69. Bragg, Sir W.: Address of the President (anniversary meeting Royal Society). *Proc. Royal Soc. London* **126**: 263–286 (1938).
70. Bragg, Sir W.: History in the archives of the Royal Society. *Science* **89**: 445–452 (1939).
71. Bragg, Sir W.: *Science and faith. Thirteenth Riddell Memorial Lecture at University of Durham*. London, Oxford University Press, 1941.
72. Bragg, Sir W.: The secondary x-ray spectrum of sylvine; theory and experiment. *Proc. Phys. Soc. London* **54**: 354–361 (1942).
73. Bragg, W. H.: On some recent advances in the theory of ionization of gases (Presidential Address). *Aust. Assoc. Adv. Sci.* **10**: 47–77 (1904).
74. Bragg, W. H.: On the absorption of alpha rays and on the classification of alpha rays of radium. *Phil. Mag.* **8**: 719–725 (1904).
75. Bragg, W. H.: On the properties and natures of various electric radiations. (Read before Royal Society of South Australia.) *Phil. Mag.* **14**: 429–449 (1907).
76. Bragg, W. H.: The nature of gamma and x-rays. *Nature* **77**: 270–271 (1908).
77. Bragg, W. H.: *Studies on Radioactivity*. London, Macmillan and Co., 1912.
78. Bragg, W. H.: X-rays and crystals. *Nature* **90**: 360–361 (1912).
79. Bragg, W. L.: X-rays and crystals. *Sci. Prog.* **7**: 372–389 (1913).
80. Bragg, W. H.: Faraday Commemorative Oration. *Proc. Royal Inst.* **27**: 40–56 (1931).
81. Bragg, W. H.: *Chemistry and the Body Politic. (Seventh S. M. Gluckstein Memorial Lecture.)* London, Institute of Chemistry of Great Britain and Ireland, 1935.
82. Bragg, W. H., Bragg, W. L.: The reflection of x-rays by crystals. *Proc. Roy. Soc.* **88**: 428–438 (1913).
83. Bragg, W. H., Bragg, W. L.: The structure of the diamond. *Nature* **91**: 557 (1913).
84. Bragg, W. H., Bragg, W. L.: *X-rays and Crystal Structure*. London, Bell, 1915.
85. Bragg, W. H., Peirce, S. E.: The absorption coefficient of x-rays. *Phil. Mag.* **28**: 626–630 (1914).
86. Bragg, W. H., Porter, H. L.: Energy transformations of x-rays. *Proc. Roy. Soc. (A)* **85**: 349–365 (1911).
87. Bragg, W. L.: The diffraction of short electromagnetic waves by a crystal. *Proc. Cambridge Phil. Soc.* **17**: 43–57 (1912).
88. Bragg, W. L.: The specular reflection of x-rays. *Nature* **90**: 410 (1912).
89. Bretscher, E., Cockcroft, J. D.: *Enrico Fermi*. *Biogr. Mem. Fellows Royal Soc.*, Vol. 1, 1955, pp. 69–78.
90. Bridgman, P. W.: Biographical memoir of William Duane. *Natl. Acad. Sci.* **18**: 23–41 (1937).
91. Burggraf, H.: *Die Anfänge der Entwicklung der medizinischen Radiologie in Frankfurt/Main (1896–1914)*. Inaugural dissertation. Frankfurt am Main, Medizinischen Fakultät. Johann Wolfgang Goethe-Universität, 1969.
92. Caroe, G. M.: *William Henry Bragg (1862–1942)*. Man and Scientist. London, Cambridge University Press, 1978.
93. Chandrasakhar, S.: Remarks on Enrico Fermi. In *The Physicists' Conception of Nature*. J. M. Mehra (Ed.), Dordrecht, Holland, D. Reidel Pub. Co., 1973.
94. Clark, G. L.: *Applied X-rays*. New York, McGraw-Hill, 1927.
95. Clark, G. L.: The contributions to radiology of Professor William Duane. *Radiology* **24**: 499–500 (1935).
96. Clark, G. L., Duane, W.: On the tertiary radiation produced by impacts of photo-electrons. *Proc. Natl. Acad. Sci.* **10**: 191–196 (1924).
97. Clark, G. L., Duane, W., Stifer, W. W.: The secondary and tertiary rays from chemical elements of small atomic number due to primary x-rays from a molybdenum target. *Proc. Natl. Acad. Sci.* **10**: 148–152 (1924).
98. Clark, R. W.: *Einstein. The Life and Times*. New York, World Publishing, 1971.
99. Clausius, R.: *die Mechanische Wärmetheorie*. Berlin, Braunschweig-Vieweg, 1891.
100. Cline, B. L.: *The Questioners. Physicist and the Quantum Theory*. New York, Thomas Y. Crowell Co., 1965.
101. Cockroft, J.: Prof. Niels Bohr. *Obituary. Nature* **196**: 1037–1038 (1962).
102. Cockroft, J. D.: Niels Henrik David Bohr. *Bio. Mem. Fellows Roy. Soc.* **9**: 37–53 (1963).
103. Compton, A. H.: Aeroplane stability. *Sci. Am. Suppl.* **72**: 100–102 (1911).
104. Compton, A. H.: A laboratory method of demonstrating the earth's rotation. *Science* **37**: 803–806 (1913).
105. Compton, A. H.: A determination of latitude, Azimuth, and the length of the day independent of astronomical observations. *Phys. Rev.* **5**: 109–117 (1915).

106. Compton, A. H.: The distribution of electrons in atoms. (Letter.) *Nature* **95**: 343-344 (1915).
107. Compton, A. H.: The variations of the specific heat of solids with temperature. *Phys. Rev.* **6**: 377-389 (1915).
108. Compton, A. H.: Watching the earth revolve. *Sci. Am. Suppl.* **79**: 196-197 (1915).
109. Compton, A. H.: The intensity of x-ray reflection and the distribution of electrons in atoms. Doctoral thesis. *Phys. Rev.* **9**: 29-57 (1917).
110. Compton, A. H.: The size and shape of the electron. *Phys. Rev.* **9**: 330 (1918).
111. Compton, A. H.: Classical electrodynamics and the dissipation of x-ray energy. *Wash. Univ. Studies* **2**: 93-129 (1921).
112. Compton, A. H.: The degradation of gamma ray energy. *Phil. Mag.* **41**: 749-769 (1921).
113. Compton, A. H.: The softening of secondary x-rays. (Letter.) *Nature* **108**: 366-367 (1921).
114. Compton, A. H.: The wave-length of hard γ -rays. *Phil. Mag.* **41**: 770-777 (1921).
115. Compton, A. H.: Secondary radiation produced by x-rays and some of their applications to physical problems. *Bull. Natl. Res. Council* **4**: 48-104 (1922).
116. Compton, A. H.: A quantum theory of the scattering of x-rays by light elements. *Phys. Rev.* **21**: 483-502 (1923).
117. Compton, A. H.: Light waves or light bullets. *Sci. Am.* **133**: 246-247 (1925).
118. Compton, A. H.: *X-rays and Electrons*. New York, Van Nostrand, 1926.
119. Compton, A. H.: What are things made of. II. *Sci. Am.* **140**: 235-236 (1929).
120. Compton, A. H.: What is light. *Sigma XI Qtrly.* **17**: 14-34 (1929).
121. Compton, A. H.: A geographic study of cosmic rays. *Phys. Rev.* **43**: 387-403 (1933).
122. Compton, A. H.: Oxford and Chicago. A contrast. *Scribner's Mag.* **149**: 355-357 (1936).
123. Compton, A. H.: *The Human Meaning of Science*. Chapel Hill, University of North Carolina, 1940.
124. Compton, A. H.: A Scientist's view of religion. *Chicago Theological Seminary Register* **30**: 5-8 (1940).
125. Compton, A. H.: *Atomic Quest*. London, Oxford University Press, 1954.
126. Compton, A. H., Allison, S. K.: *X-rays in Theory and Experiment*. New York, Van Nostrand, 1935.
127. Compton, A. H., Compton, K. T.: A sensitive modification of the quadrant electrometer: Its theory and use. *Phys. Rev.* **14**: 85-98 (1919).
128. Compton, A. H., Doan, R. L.: Diffraction of x-rays by a ruled metallic grating. *Phys. Rev.* **27**: 104-105 (1926).
129. Compton, A. H., Hagenow, C. F.: The polarization of secondary x-rays. *Phys. Rev.* **18**: 97-98 (1921).
130. Compton, K. T.: Velocity of electrons liberated by photoelectric action. Doctoral thesis. *Phys. Rev.* **1**: 382-392 (1913).
131. Condon, E. U., Terril, H. M.: Quantum phenomena in the biological action of x-rays. *J. Cancer Res.* **11**: 324-333 (1927).
132. Crowther, J. A.: On the distribution of scattered roentgen radiation. *Proc. Roy. Soc. (A)* **86**: 478-494 (1912).
133. Crowther, J. A.: Some considerations relative to the action of x-rays in tumor cells. *Proc. R. Soc. Lond.* **96**: 207-211 (1924).
134. Curie, Eve: *Madame Curie*. Doubleday Doran, Garden City, New York, 1937.
135. Curie, L.: Sur le poids atomique du chlore dans quelques minéraux. (Note presented by M. Lippmann.) *Compt. rend. Acad. Sci.* **172**: 1025-1028 (1921).
136. Curie, L.: Détermination de la vitesse d'émission des rayons alpha du polonium. (Note presented by G. Urbain.) *Compt. rend. Acad. Sci.* **175**: 220-222 (1922).
137. Curie, L.: Recherches sur les rayons alpha du polonium. Oscillations de parcours, vitesse d'émission, pouvoir ionisant. Doctoral thesis. *Ann. Phys.* **2**: 299-401 (1925).
138. Curie, L., Joliot, F.: Sur le nombre d'ions produits par les rayons alpha du radium C dans l'air. (Note presented by Jean Perrin.) *Compt. rend. Acad. Sci.* **186**: 1722-1724 (1928).
139. Curie, L., Joliot, F.: Émission de protons de grande vitesse par les substances hydrogénées sous l'influence de rayons gamma très pénétrants. (Note presented by Jean Perrin.) *Compt. rend. Acad. Sci.* **194**: 273-275 (1932).
140. Curie, L., Joliot, F.: Recherches sur le rayonnement ultra-pénétrant à la station scientifique du Jungfraujoeh. *J. Phys. Radium* **4**: 492-493 (1933).
141. Curie, L., Joliot, F.: Rayonnement Pénétrant des Atomes Sous l'Action des Rayons Alpha. VII. Conseil de Physique Solvay. Paris. Gauthier-Villars, 1934.
142. Curie, L., Joliot, F.: Un nouveau type de radioactivité. (Note presented by Jean Perrin.) *Compt. rend. Acad. Sci.* **198**: 254-256 (1934).
143. Curie, L., Savitch, P.: Sur les radioéléments formés par l'uranium irradié par les neutrons. *J. Phys. Radium* **8**: 385-387 (1937).
144. Curie, L., Savitch, P.: Sur le radioélément de période 3.5 heures formé dans l'uranium irradié par les neutrons. (Note presented by Jean Perrin.) *Compt. rend. Acad. Sci.* **206**: 906-908, 1643-1644 (1938).
145. Curie, P., Curie, Mme. S.: Sur une substance nouvelle radio-active contenue dans la pechblende. (Note presented by M. Becquerel.) *Compt. rend. Acad. Sci.* **127**: 175-178 (1898).
146. Curie, P., Curie, Mme. P., Bemont, G.: Sur une nouvelle substance fortement radioactive contenue dans la pechblende. (Note presented by M. Becquerel.) *Compt. rend. Acad. Sci.* **127**: 1215-1217 (1898).
147. Daniel, J.: Depilatory action of x-rays. *Med. Rec.* **49**: 595-596 (1896); *Science* **3**: 562-563 (1896).
148. Davis, N. P.: *Lawrence and Oppenheimer*. New York, Simon and Schuster, 1969.
149. de Broglie, M. le Duc: Scientific worthies. XLVI. The Right Hon. Lord Rutherford of Nelson, O.M., F.R.S. *Nature* **129**: 665-668 (1932).
- 149b. Debye, P.: Zertresung von Röntgenstrahlen und Quantentheorie. *Phys. Z.* **24**: 161-166 (1932).
150. De Felice, R.: *Storia Degli Ebrei Italiani Sotto il Fascismo*. Turin, Italy, Giulio Einaudi, 1972.
151. Dessauer, F.: *Wilhelm C. Rontgen, die Offenbarung einer Nacht*. Frankfurt, Knecht, 1945.
152. Dessauer, F., Vierheller, F.: Die Tiefenwirkung der Röntgenstrahlen. *Strahlentherapie* **12**: 655-690 (1921).
153. Dirac, P. A. M.: On the quantum theory of emission and absorption of radiation. *Proc. Roy. Soc. London* **A114**: 243-265 (1927).
154. Duane, W.: Sur l'ionization de l'air en presence de l'émanation du radium. *J. de Phys.* **4**: 605-619 (1905).
155. Duane, W.: Sur l'ionization produite entre des plateaux parallèles par l'émanation du radium (note presented by M. A. Potier.) *Compt. rend. Acad. Sci.* **140**: 786-788 (1905).
156. Duane, W.: *The Relation of Gamma Rays to X-rays*. Report to the Annual Meeting of the American Roentgen-ray Society, Cleveland, 1914.
157. Duane, W.: On the extraction and purification of radium emanation. *Phys. Rev.* **5**: 311-314 (1915).
158. Duane, W.: Measurement of roentgen radiation by means of an ionization chamber and galvanometer. *Am. J. Roentgenol.* **9**: 467-469 (1922).
159. Duane, W.: The production of penetrating x-rays. *Am. J. Roentgenol.* **9**: 391-404 (1922).
160. Duane, W.: The scientific basis of short wave-length therapy. *Am. J. Roentgenol.* **9**: 781-791 (1922).
161. Duane, W.: The transfer in quanta of radiation momentum to matter. *Proc. Natl. Acad. Sci.* **9**: 158-164 (1923).
162. Duane, W., Greenough, R. B.: Report of the results of radium treatment at the Collis P. Huntington Memorial Hospital by the Cancer Commission of Harvard University. *Boston Med. Surg. J.* **187**: 359-365 (1917).
163. Duane, W., Hunt, F. L.: On x-ray wave-lengths. *Phys. Rev.* **6**: 166-177 (1915).
164. Duane, W., Laborde, A.: Sur les mesures quantitatives de

- l'émancipation du radium. *Compt. rend. Acad. Sci.* **150**: 1421–1423 (1910).
165. Duane, W., Lorenz, E.: The standard ionization chamber for roentgen-ray measurements. *Am. J. Roentgenol.* **19**: 461–469 (1928).
 166. Duane, W., Patterson, R. A.: On the x-ray spectra of tungsten. *Phys. Rev.* **16**: 526–539 (1920).
 167. Duane, W., Shimizu, T.: On the spectrum of x-rays from an aluminum target. *Phys. Rev.* **14**: 389–393 (1919).
 168. Duane, W., Stenström, W.: On the K series of x-rays. *Proc. Natl. Acad. Sci.* **6**: 477–486 (1920).
 169. Einstein, A.: Über einen die Erzeugung und Verwandlung des Lichtes betreffenden heuristischen Gesichtspunkt. *Ann. Physk.* **17**: 132–148 (1905).
 170. Einstein, A., Podolsky, B., Rosen, N.: Can quantum-mechanical description of physical reality be considered complete? *Phys. Rev.* **47**: 777–780 (1935).
 171. Eggleston, W.: *Canada's Nuclear Story*. Toronto, Canada, Clark, Irwin and Co., Ltd. 1965.
 - 171b. Enz, C. P.: Pauli's scientific work. In *Physical Conception of Natur* (J. Mehra, Editor). D. Reidel Publishing Co., Dordrecht, Holland, 1973.
 172. Esterer, A. K., Esterer, L. A.: *Prophet of the Atomic Age. Leo Szilard*. New York, Julian Messner, 1974.
 173. Etter, L. E.: Some historical data relating to the discovery of the roentgen rays. *Am. J. Roentgeno.* **56**: 220–231 (1946).
 174. Eve, A. S.: *Rutherford. Being the Life and Letters of the Right Honorable Lord Rutherford, O.M.* London, Cambridge Univ. Press, 1939.
 175. Ewald, P. P.: Abweichung vom Bragg'schen Reflexionsgesetz der Röntgenstrahlen. *Phys. Z.* **21**: 617–619 (1920).
 - 175b. Falkenhaguen, H. (Ed.): *Quantentheorie und Chemie*. Leipzig, Hirtzel, 1928.
 176. Faller, A.: Honorarprofessor Friedrich Dessauer. *Techn. Fortschr. Dienst Menschheit*. 51–57 (1963).
 177. Feather, N.: *Lord Rutherford*. London, Priory Press, 1973.
 178. Fermi, E.: Sulla dinamica di un sistema rigido di cariche elettriche in moto traslatorio. *Nuovo Cimento* **22**: 199–207 (1921).
 179. Fermi, E.: Über einen Widerspruch zwischen der elektrodynamischen und der relativistischen Theorie der elektromagnetischen Masse. *Phys. Ziet.* **23**: 340–344 (1922).
 180. Fermi, E.: Beweis dass ein mechanisches Normalsystem im allgemeinen quasi-ergodisch ist. *Phys. Zeit.* **24**: 261–265 (1923).
 181. Fermi, E.: Le masse nella teoria della relatività. In *I Fondamenti Della Relatività Einsteiniana*, Kopff, A. (Ed.), Milan, Hoepli, 1923, pp. 342–344.
 182. Fermi, E.: Über die Theorie des Stosses zwischen Atomen and elektrisch geladenen Teilchen. *Z. Phys.* **29**: 315–327 (1924).
 183. Fermi, E.: Sulla quantizzazione del gas perfetto monoatomico. *Rend. Lincei* **3**: 145–149 (1926).
 184. Fermi, E.: *Introduzione alla Fisica Atomica*. Zanichelli, Bologna, 1928.
 185. Fermi, E.: Über die Anwendung der statischen Methode auf die Probleme des Atombaus. In *Quantentheorie und Chemie*, Falkenhagen, H. (Ed.), Leipzig, Hirzel, 1928, pp. 95–111.
 186. Fermi, E.: Über die magnetischen Momente der Atomkerne. *Z. Phys.* **60**: 320–333 (1930).
 187. Fermi, E.: Quantum theory of radiation. *Rev. Mond. Phys.* **4**: 87–132 (1932).
 188. Fermi, E.: Tentativo di unte teoria dell'emissione dei raggi "beta." *Ric. Scient.* **4**: 491–495 (1933).
 189. Fermi, E.: Radioattività indotta da bombardamento di neutroni. I. *Ric. Scient.* **5**: 283 (1934).
 190. Fermi, E.: Versuch einer Theorie der beta-Strahlen. *Z. Phys.* **88**: 161–171 (1934).
 191. Fermi, E.: On the origin of cosmic radiation. *Phys. Rev.* **75**: 1169–1174 (1949).
 192. Fermi, E.: *Elementary Particles*. New Haven, Yale University Press, 1951.
 193. Fermi, E.: Galactic magnetic fields and the origin of cosmic rays. *Astrophysics* **119**: 1–6 (1954).
 194. Fermi, E.: *Collected Papers (Note 3 Memorie). Italy (1921–1938)*. Vol. I. Rome, University of Chicago Press, Accademia Nazionale dei Lincei, 1962.
 195. Fermi, E.: Un teorema di calcolo della probabilità ed alcune due applicazioni. (Dissertation for qualification for the Scuola Normale Superiore, Pisa, 1922.) In Fermi, E.: *Collected Papers (Note e Memorie). Italy (1921–1938)*, Vol. I, Rome, University of Chicago Press, Accademia Nazionale dei Lincei, 1962, pp. 227–243.
 196. Fermi, E.: *Collected Papers (Note e Memorie.) United States (1939–1954)*. Vol. II. Rome, The University of Chicago, Accademia Nazionale dei Lincei, 1965.
 197. Fermi, E., Amaldi, E., D'Agostino, O., Rasetti, F., Segrè, E.: Artificial radioactivity produced by neutron bombardment. *Proc. Roy. Soc. London* **146**: 483–500 (1934).
 198. Fermi, E., Amaldi, B., Pontecorvo, B., Rasetti, F., Segrè, E.: Azione di sostanza idrogenata sulla radioattività provocata da neutrone. *Ric. Scientifica* **5**: 282–283, 757–758 (1934).
 199. Fermi, E., Anderson, H. L., Booth, E. T., Dunning, J. R., Glasoe, G. N., Slack, F. G.: The fission of uranium. *Phys. Rev.* **55**: 511–512 (1939).
 200. Fermi, E., Marshall, L.: Interference phenomena of slow neutrons. *Phys. Rev.* **71**: 666–677 (1947).
 201. Fermi, E., Marshall, L.: Spin dependence of scattering of slow neutrons by Be, Al, and Bi. *Phys. Rev.* **72**: 408–410 (1947).
 202. Fermi, E., Rasetti, F.: Effect of alternating magnetic field on the polarization of the resonance radiation of mercury vapour. *Nature* **115**: 764 (1925).
 203. Fermi, E., Teller, E.: The capture of negative mesotrons in matter. *Phys. Rev.* **72**: 399–408 (1947).
 204. Fermi, L.: *Atoms in the Family. My Life with Enrico Fermi*. Chicago, University of Chicago Press, 1954.
 205. Flint, H. T.: Prof. Max Planck, foreign member of the Royal Society. *Obituaries. Nature* **161**: 47–48 (1948).
 206. Florance, D. C. H.: Primary and secondary gamma rays. *Phil. Mag.* **20**: 921–938 (1910).
 207. Forman, P.: Charles Glover Barkla. *Dictionary of Scientific Biography*. New York, Charles Scribner and Sons, 1970, pp. 456–459.
 208. Forman, P.: William Henry Bragg. *Dictionary of Scientific Biography*. New York, Charles Scribner and Sons, 1970, pp. 397–400.
 209. Forman, P.: William Duane. *Dictionary of Scientific Biography* **4**: 194–197 (1971).
 210. Frank, J.: Max Planck 1858–1947. *Science* **107**: 534–537 (1948).
 211. Frisch, O. R.: Physical evidence for the division of heavy nuclei under neutron bombardment. *Nature* **143**: 276 (1939).
 212. Frisch, O. R.: *What Little I Remember*. Cambridge, Cambridge University Press, 1979.
 - 212b. Fujita, S. (Editor): *The Ta-You Wu Festschrift. Science of Matter*. Gordon AND Breach, New York, 1978.
 213. Gamow, G.: *The Atom and Its Nucleus*. Englewood, New Jersey, Prentice Hall, 1961.
 214. Gamow, G.: *Thirty Years that Shook Physics. The Story of the Quantum Theory*. New York, Doubleday Anchor Science Study Series, 1966.
 215. Geiger, H., Marsden, E.: On the diffuse reflection of alpha particles. *Proc. Roy. Soc.* **82**: 495–500 (1909).
 - 215b. Giraudoux, J. L.: La Guerre de Troie n'aura pas lieu. *La Petite Illustration*, number 751, December 14th, 1935, Paris.
 216. Glasser, O.: *Dr. W. C. Röntgen*. Springfield, Illinois, C. C. Thomas Pub., 1945.
 217. Goldsmith, M.: *Frédéric Joliot-Curie, A Biography*. London, Lawrence & Wishart, 1976.
 218. Goudsmit, S. A.: *ALSOS*. New York, H. Schuman, 1947.
 219. Gowing, M.: *Britain and Atomic Energy, 1939–1945*. New York, St. Martin's Press, 1964.
 220. Gray, J. A.: The scattering and absorption of the x-rays and

- radium. *Phil. Mag.* **26**: 611–612 (1913).
221. Gray, J. A.: The scattering of x- and gamma rays. *J. Franklin Inst.* **190**: 633–655 (1920).
222. Groves, L. R.: *Now It Can Be Told. The Story of the Manhattan Project.* New York, Harper, 1962.
223. Gunther, J.: Mystery man of the A-bomb. *Reader's Digest* **63**: 18–20 (1953).
224. Hachiya, M.: *Hiroshima Diary. The Journal of a Japanese Physician. August 6th–September 30th, 1945.* Chapel Hill, University of North Carolina Press, 1955.
225. Hahn, O., Strassmann, F.: Über den Nachweis und das Verhalten der bei der Bestrahlung des Urans mittels Neutronen entstehenden Erdalkalimetalle. *Naturwissenschaften* **27**: 11–15 (1939).
226. Halban, H., Joliot, F., Kowarski, L.: Sur la probabilité de produire dans un milieu uranifère des réactions nucléaires en chaîne illimitée. (Sealed envelope no. 11, 620, deposited October 30, 1938, opened August 18, 1948.) *C. R. Acad. Sci.* **299**: 909–914 (1949).
227. Halban, H., Jr., Joliot, F., Kowarski, L., Perrin, F.: Mise en évidence d'une réaction nucléaire en chaîne au sein d'une masse uranifère. *J. Phys.* **10**: 428–429 (1939).
228. Heisenberg, W.: Quantum theory and its interpretation. In *Niels Bohr, His Life and Work As Seen By His Friends and Colleagues*, Rozenal, S. (Ed.), New York, John Wiley and Sons, Inc., 1967, pp. 94–108.
229. Hermann, A.: *Max Planck in Selbzeugnissen und Bilddokumenten.* Hamburg, Rowohlt Taschen Buch, 1973.
230. Hewlet, R. G., Anderson, O. E., Jr.: *A History of the U. S. Atomic Energy Commission. The New World, 1939–1946.* Vol. I. University Park, Pennsylvania, Pennsylvania State University Press, 1962.
231. Hille, H.: From the memoirs of a student in Röntgen's laboratory in Würzburg half a century ago. *Am. J. Roentgenol.* **55**: 643–647 (1946).
232. Hodges, P. C.: *The Life and Times of Emil H. Grubbe.* Chicago, University of Chicago Press, 1964.
233. Honner, J.: The transcendental philosophy of Niels Bohr. *Stud. Hist. Phil. Science* **13**: 1–29 (1982).
- 233b. Jenkin, J.: William Bragg in Adelaide; tennis too! *Australian Physicist* **18**: 69–70 (1981).
234. Johnston, M. (Ed.): *The Cosmos of Arthur Holly Compton.* New York, A. A. Knopf, 1967.
235. Joliot, F.: Sur une nouvelle méthode d'étude du dépôt électrolytique des radioéléments. (Note presented by J. Perrin.) *Compt. rend. Sci.* **184**: 1325–1327 (1927).
236. Joliot, F.: Sur la resistivité des couches métalliques minces obtenues par pulvérisation cathodique. (Note presented by Jean Perrin.) *Compt. rend. Sci.* **186**: 1526–1528 (1928).
237. Joliot, F.: Étude électrochimique des radioéléments. Applications diverses. (Thesis, University of Paris, 1930.) *J. Ch. Phys.* **27**: 119–121 (1930).
238. Joliot, F.: Réalisation d'un appareil Wilson pour pressions variables (1 cm de Hg à plusieurs atmosphères). *J. Phys.* **5**: 216–218 (1934).
239. Joliot, F.: Preuve expérimentale de la rupture explosive des noyaux d'uranium et de thorium sous l'action des neutrons. *Compt. rend. Acad. Sci.* **206**: 906–908 (1938).
240. Joliot, F.: Preuve expérimentale de la rupture explosive des noyaux d'uranium et de thorium sous l'action des neutrons. (Note presented by Jean Perrin.) *Compt. rend. Acad. Sci.* **208**: 341–343 (1939).
241. Joliot, F.: Sur la rupture explosive des noyaux U et Th sous l'action des neutrons. *J. Phys.* **10**: 159–160 (1939).
- 241b. Joliot, F.: Contamination radioactive de manuscrits de Pierre et Madame Curie, relatives aux expériences ayant suivi la découverte du radium. *Comp. Rend. Acad. Sciences* **246**: 1000–1003 (1958).
242. Joliot, F., Curie, I.: Artificial production of a new kind of radio-element. *Nature* **133**: 201–202 (1934).
243. Joliot-Curie, I., Joliot-Curie, F.: Emission de protons de grande vitesse par les substances hydrogénées sous l'influence de rayons gamma très pénétrants. *Compt. rend. Acad. Sci.* **194**: 273 (1932).
244. Kalckar, J.: Niels Bohr and his youngest disciples. In *Niels Bohr, His Life and Work As Seen By His Friends and Colleagues*, Rozenal, S. (Ed.), New York, John Wiley and Sons, Inc., 1967, pp. 227–239.
245. Kangro, H.: Max Planck. *Dictionary of Scientific Biography.* Vol. II, New York, Scribners, 1975, pp. 7–17.
246. Kevles, D. J.: *The Physicists. The History of the Scientific Community in Modern America.* New York, A. A. Knopf, 1978.
247. Kirchhoff, G.: *Vorlesungen über mathematische Physik III Elektrizität und Magnetismus.* Leipzig, Teubner, 1891.
248. Klein, O.: Glimpses of Niels Bohr as a scientist and thinker. In *Niels Bohr. His Life and Work As Seen By His Friends and Colleagues*, Rozenal, S. (Ed.), New York, John Wiley and Sons, Inc., 1967, pp. 74–93.
249. Kleinholz-Boerner, C.: *Friedrich Dessauer (1881–1963). Bibliographie eines nichtärztlichen Röntgenpioniers.* Berlin, Medizinischen Fakultät, Freien Universität, 1969.
250. Knipping, P.: Zur Frage der Brechung der Röntgenstrahlen. *Z. Phys.* **1**: 40–41 (1920).
251. Knutson, F.: Röntgen and the Nobel prize. *Acta Radiol.* **8**: 449–460 (1969).
252. Kopff, A.: *Fundamenti della Relativita Einsteiniana.* Milan, Hoepli, 1923.
253. Kowarski, L.: Atomic energy developments in France. *Bull. Atom. Sci.* **4**: 139–155 (1948).
254. Kowarski, L.: *Reflexions on Science.* Geneva, Institut Universitaire de Hautes Ecoles Internationales, 1978.
255. Laborde, A.: Pierre Curie dans son laboratoire. *Conférences du Palais de la Découverte. Series A, No. 220,* University of Paris, March 1956.
256. Lacassagne, A.: Les problème des quanta en radiobiologie (point de vue biologique). *J. Radiol. Électrol.* **18**: 553–570 (1934).
257. Lacassagne, A.: L'apport de Marie Curie à la Médecine. *Bull. Ass. Franç. pour l'Étude du Cancer* **54**: 257–262 (1967).
258. Landé, A.: Quantum fact and fiction. *Am. J. Phys.* **33**: 123–127 (1965).
259. Landé, A.: Dialog on dualism. (Replies to article by M. Born and W. Biem on quantum theory and further comments by them.) *Phys. Today* **21**: 55–56 (1968).
260. Landé, A.: *New Foundations of Quantum Mechanics.* London, Cambridge University Press, 1968.
261. Langevin, P.: Recherches sur les gaz ionisés. (Thesis, University of Paris, 1902.) (Note presented by M. Mascart.) *C. R. Acad. Sci.* **134**: 414–417 (1902).
262. Langevin, P.: Magnetism et théorie des électrons. *Ann. Chim. Phys.* **5**: 70–127 (1905).
263. Langevin, P.: Sur l'impossibilité physique de mettre en évidence le mouvement de translation de la terre. (Note presented by M. Mascart.) *Compt. rend. Acad. Sci.* **140**: 1171–1173 (1905).
264. Langevin, P.: Sondage et détection sous-marine par les ultrasons. *Bull. Assoc. Tech. Marit. Aeronaut.* **28**: 407 (1924).
265. Langevin, P., Chilowski, M. C.: Procédés et appareils pour la production de signaux sous-marins dirigés et pour la localisation à distance d'obstacles sous-marins. French patent number 502,913, May 29, 1916.
266. Langevin, H., Joliot, P.: Marie-Irène Curie. Correspondence, 1905–1934. Paris, Les Editeurs Français Reunis, 1974.
267. Lawrence, W. L.: Lord Rutherford, physicist is dead. Achieved highest rank. *New York Times*, 20 Oct., 1937.
268. Lenard, P.: Ueber die lichtelektrische Wirkung. *Ann. Phys.* **8**: 149–198 (1902).
- 268b. Libby, L. M.: *The Uranium People.* New York, Crane Russack and Co., 1979.
269. Loken, M. K.: Karl Wilhelm Stenstrom, Ph.D. *Am. J. Roentgenol.* **120**: 477–474 (1974).
270. Loti, P.: *An Iceland Fisherman.* New York, Alfred Knopf, 1946.
271. Madsen, J. P. V.: Secondary gamma radiation. *Phil. Mag.* **17**: 423–448 (1909).

272. Marbo, C.: *A travers deux siecles. Souvenirs et rencontres (1883-1967)*. Paris, Bernard Grosset, 1968.
273. Marsden, E., Geiger, H.: On a diffuse reflection of alpha particles. *Proc. Roy. Soc.* **82**: 495-500 (1909).
274. McMillan, E., Abelson, P. H.: Radioactive element 93 (Letter). *Phys. Rev.* **57**: 1185-1186 (1940).
275. Mehra, J.: *The Solvan Conferences on Physics*. Dordrecht-Boston, D. Reidel Publishing Co., 1975.
276. Meissner, W.: Max Planck, the man and his work. *Science* **113**: 75-81 (1951).
277. Meitner, L.: Lise Meitner looks back. *Adv. Sci.* **20**: 39-46 (1964).
278. Meitner, L., Frisch, O. R.: Disintegration of uranium by neutrons: a new type of nuclear reaction. *Nature* **43**: 239-240 (1939).
279. Mendelssohn, K. A. G.: Max Planck. *Bull. Inst. Phys.* **10**: 1-6 (1959).
280. Meredith, W. J.: What Manchester thinks. The 1967 Sylvanus Thompson Memorial Lecture. *Br. J. Radiol.* **41**: 2-11 (1968).
281. Meyer, S., Shaw, A. N., Bohr, N., Hevesy, G., de Broglie, M., Stark, J., Hahn, O., Fermi, E., Wertenstein, L., Kapitza, P.: Further tributes to the late Lord Rutherford. *Nature, Suppl.* **140**: 1047-1054 (1937).
282. Millikan, R. A.: A direct photoelectric determination of Planck's "h." *Phys. Rev.* **8**: 355-388 (1916).
283. Moore, R.: *Niels Bohr. The Man, His Science and the World They Changed*. New York, Alfred A. Knopf, 1966.
284. Moorehead, A.: *The Traitors*. New York, Dell Publishing Co., 1952.
285. Moseley, H. G. J.: The high frequency spectra of the elements—I. *Phil. Mag.* **26**: 1024-1034 (1913).
286. Nagaoka, H.: Kinetics of a system of particles illustrating the line and the band spectrum and the phenomena of radioactivity. *Phil. Mag.* **7**: 445-455 (1904).
287. Nakashima, Y.: Einige Versuche zum Grundfange der biologischen Strahlungswirkung. *Strahlentherapie* **24**: 1-36 (1926).
288. Nitske, W. R.: *The Life of Wilhelm Conrad Röntgen, Discovery of the X-ray*. Tempe, Arizona, University of Arizona Press, 1971.
289. Noddack, I.: Über das Element 93. *Ang. Chem.* **47**: 653-655 (1934).
290. Odelberg, W. (Ed.): *Nobel, the Man and His Prizes*. New York, Elsevier, 1972.
291. O'Flaherty, J. C.: Max Planck and Adolf Hitler. *Am. Assoc. Univ. Profs. Bull.* **42**: 437-444 (1956).
292. Oliphant, M.: Rutherford, *Recollection of Cambridge Days*. New York, Elsevier, 1972.
293. Partington, J. R.: Professor Max Planck. Foreign member, Royal Society. *Nature* **161**: 47-48 (1948).
294. Peierls, G.: An appreciation of Niels Bohr. *Proc. Phys. Soc.* **81**: 793-799 (1963).
295. Peierls, R. E., Yoccoz, J.: The collective model of nuclear motion. *Proc. Phys. Soc.* **70**: 381-387 (1957).
296. Perrin, F.: Frédéric Joliot. *Dictionary of Scientific Biography*. New York, Charles Scribner and Sons, 1975, pp. 151-157.
297. Perrin, F.: Irène Joliot-Curie. *Dictionary of Scientific Biography*. New York, Charles Scribner and Sons, 1975, pp. 157-159.
298. Planck, M.: *Gleichgewichtszustände isotroper Körper in verschiedenen Temperaturen (Habilitation paper)*. Munich, Th. Ackermann, 1880.
299. Planck, M.: *Über den zweiten Hauptsatz der mechanischen Wärmetheorie (Inaugural Dissertation)*. Munich, Ackermann, 1880.
300. Planck, M.: *Das Princip der Erhaltung der Energie*. Leipzig-Berlin, Teubner, 1887.
301. Planck, M.: Heinrich Rudolf Hertz. *Verh. dtsch. Phys. Ges.* **13**: 9-29 (1894).
302. Planck, M.: *Vorlesung über Thermodynamik*. Leipzig, 1897.
303. Planck, M.: Über eine Verbesserung der Wienschen Spectralgleichung. *Verh. dtsch. Phys. Ges.* **2**: 202-204 (1900).
304. Planck, M.: *Einheit des physikalischen Weltbildes (Lecture at University of Leiden, December 9, 1908)*. Leipzig, Hirtzel, 1909.
305. Planck, M.: *Die Stellung der neueren Physik zur mechanischen Naturanschauung (Lecture at Königsberg, Sept. 2, 1910)*. Leipzig, Hirtzel, 1910.
306. Planck, M.: *Die Entstehung und bisherige Entwicklung der Quantentheorie (Nobel Prize Lecture, June 2, 1920)*. Leipzig, Barth, 1920.
307. Planck, M.: *Wege sur physikalischen Erkenntniss. Reden und Fortrage*. Leipzig, Hirtzel, 1933.
308. Planck, M.: *Die Physik um die Weltanschauung (Lecture at Harnackhuas, March 6, 1935)*. Leipzig, Barth, 1935.
309. Planck, M.: Religion und Naturwissenschaft (Lecture in Riga, May 1937). *Evangel. dtsch. Kirch. Rund.* **14**: 197 (1937).
310. Planck, M.: Versuch einer Synthese zurschen Wellenmechanik und Korpuskularmechanik. *Ann. Phys.* **37**: 261-277 (1940).
311. Planck, M.: Mein Besuch bei Adolf Hitler. *Phys. Blatter* **3**: 143 (1947).
312. Planck, M.: *Scheinprobleme der Wissenschaft (Lecture at University of Göttingen, June 17, 1947)*. Leipzig, Barth, 1947.
313. Planck, M.: The meaning and the limits of exact science (Der Wer der exakten Wissenschaft, *Frankfurter Zeitung*, November 7, 1941). In Planck, M., *Scientific Autobiography and other Papers*.
314. Planck, M.: *Scientific Autobiography and Other Papers*. Westport, Connecticut, Greenwood Press, 1949.
315. Planck, M.: *Vorlesungen über die Theorie der Wärmestrahlung*. Leipzig, Barth, 1960.
316. Plimpton, S. J.: On the scattering of x-rays in x-ray diffraction. *Phil. Mag.* **42**: 302-304 (1921).
- 316b. Radvanyi, P., Bordry, M.: La radioactivite artificielle et son histoire. *Seuil CNRS. Cosmopress*, Paris, 1984.
317. Rajewsky, B.: Friedrich Dessauer. *Strahlentherapie* **121**: 1-4 (1963).
318. Recami, E.: New evidence on the disappearance of the physicist Ettore Majorana. *Scientia* **110**: 589-600 (1975).
319. del Regato, J. A.: Henri Coutard, M.D. (1876-1950). *Radiology* **54**: 758-759 (1950).
320. del Regato, J. A.: Historical changes in time-dose relationship in therapeutic radiology. *Front. Radiation Ther. Onc.* **3**: 1-5 (1968).
- 320b. del Regato, J. A.: Claudius Regaud. *Int. J. Rad. Onc. Biol. Phys.* **1**: 991-1001 (1971).
321. del Regato, J. A.: Antoine Lacassagne, M.D. (1884-1971). *Am. J. Roentgenol.* **115**: 845-847 (1972).
322. del Regato, J. A.: The American College of Radiology. Fiftieth Anniversary. *Radiology* **107**: 1-13 (1973).
323. del Regato, J. A.: Marie Skldowska-Curie. *Int. J. Radiat. Oncol. Biol. Phys.* **1**: 345-353 (1976).
324. del Regato, J. A.: James Ewing. *Int. J. Radiat. Oncol. Biol. Phys.* **2**: 185-198 (1977).
325. del Regato, J. A.: Friedrich Dessauer. *Int. J. Radiat. Oncol. Biol. Phys.* **4**: 225-332 (1978).
326. del Regato, J. A.: William Duane. *Int. J. Radiat. Oncol. Biol. Phys.* **4**: 717-729 (1978).
327. del Regato, J. A.: Ernest Rutherford. *Int. J. Radiat. Oncol. Biol. Phys.* **5**: 539-552 (1979).
328. del Regato, J. A.: Max Planck. *Int. J. Radiat. Oncol. Biol. Phys.* **5**: 2097-2111 (1979).
329. del Regato, J. A.: Jean Frédéric Joliot. *Int. J. Radiat. Oncol. Biol. Phys.* **6**: 621-640 (1980).
330. del Regato, J. A.: William Henry Bragg. *Int. J. Radiat. Oncol. Biol. Phys.* **7**: 83-97 (1981).
331. del Regato, J. A.: Arthur Holly Compton. *Int. J. Radiat. Oncol. Biol. Phys.* **7**: 1569-1590 (1981).
332. del Regato, J. A.: Niels Bohr. *Int. J. Radiat. Oncol. Biol. Phys.* **7**: 509-529 (1981).
333. del Regato, J. A.: The tracks of the Compton effect. *Med. Phys.* **8**: 761-765 (1981).

334. del Regato, J. A.: Enrico Fermi, *Int. J. Radiat. Oncol. Biol. Phys.* **8**: 1393–1416 (1982).
335. Reid, R.: *Marie Curie*. Saturday Review Press, E. P. Dutton, New York, 1974.
336. Richardson, O. W., Compton, K. T.: The photoelectric effect. *Phil. Mag.* **26**: 549–567 (1913).
337. Roentgen motion pictures. The remarkable Dessauer process. *Sci. Am.* **112**: 312–313 (1915).
338. Rosenfeld, L.: Niels Bohr in the thirties. Consolidation and extension of the conception of complementarity. In *Niels Bohr. His Life and Work As Seen By His Friends and Colleagues*, Rozentel, S. (Ed.), New York, John Wiley and Sons, Inc., 1967, pp. 114–136.
339. Rosenfeld, L.: Niels Henrik David Bohr. *Dictionary of Scientific Biography*. Vol. 2, New York, Charles Scribner and Sons, 1970, pp. 239–254.
340. Rouzé, M.: *Frédéric Joliot-Curie*. Paris, Editeurs Francais Reunis, 1950.
341. Rozentel, S. (Ed.): *Niels Bohr. His Life and Work As Seen By His Friends and Colleagues*. New York, John Wiley and Sons, Inc., 1967.
342. Rutherford, E.: Magnetization of iron by high-frequency discharges. *Trans. N. Z. Inst.* **27**: 481–583 (1894).
343. Rutherford, E.: A magnetic detector of electrical waves and some of its applications. *Roy. Soc. Phil. Trans.* **189**: 1–24 (1896).
344. Rutherford, E.: The velocity and rate of recombination of the ions of gases exposed to Röntgen radiation. *Phil. Mag.* **44**: 422–440 (1897).
345. Rutherford, E.: Uranium radiation and the electrical conduction produced by it. *Phil. Mag.* **47**: 109–163 (1899).
346. Rutherford, E.: A radioactive substance emitted from thorium compounds. *Phil. Mag.* **49**: 1–14 (1900).
347. Rutherford, E.: *Radioactivity*. London, Cambridge University Press, 1904.
348. Rutherford, E.: The succession of changes in radioactive bodies. (Bakerian Lecture.) *Abstract. Proc. Roy. Soc.* **73**: 493–496 (1904).
349. Rutherford, E.: The scattering of alpha and beta particles by matter and the structure of the atom. *Phil. Mag.* **21**: 669–688 (1911).
350. Rutherford, E.: Structure of the atom. *Nature* **92**: 423 (1913).
351. Rutherford, E.: X-rays. Sylvanus P. Thomson Memorial Lecture. *J. Rönt. Soc.* **14**: 75–86 (1918).
352. Rutherford, E.: Collision of alpha particles with light atoms. *Nature* **103**: 415–418 (1919).
353. Rutherford, E.: Nuclear constitution of atoms. (Bakerian Lecture.) *Proc. Roy. Soc.* **97**: 374–400 (1920).
354. Rutherford, E.: Response to a toast of "Science" proposed by the President of the Royal Academy of Arts. April 30, 1932.
355. Rutherford, E.: *The Newer Alchemy*. London, Cambridge University Press, 1937.
356. Rutherford, E., Andrade, E. N. da C.: Reflections of gamma rays from crystals. *Nature* **92**: 267 (1913).
357. Rutherford, E., Boltwood, B. B.: Production of helium by radium. *Manch. Lit. Phil. Mem.* **54**: 1–2 (1909).
358. Rutherford, E., Boltwood, B. B.: Production of helium from radium. *Phil. Mag.* **22**: 586–604 (1911).
359. Rutherford, E., Compton, A. H.: Radioactivity and gravitation. *Nature* **104**: 412 (1919).
360. Rutherford, E., Geiger, H.: An electrical method of counting the number of alpha particles from radioactive substances. *Proc. Roy. Soc.* **81**: 141–161 (1908).
361. Rutherford, E., Royds, T.: Nature of the alpha particle. *Manch. Lit. Phil. Soc. Mem.* **53**: 1–3 (1908).
362. Rutherford, E., Soddy, F.: The cause and nature of radioactivity—I. *Phil. Mag.* **4**: 370–396 (1902).
363. Rutherford, E., Soddy, F.: The cause and nature of radioactivity—II. *Phil. Mag.* **4**: 569–585 (1902).
364. Rutherford, E., Soddy, F.: Radioactive change. *Phil. Mag.* **5**: 576–591 (1903).
365. Sadler, C. A., Mesham, P.: The Roentgen radiation from substances of low atomic weight. *Phil. Mag.* **24**: 138–149 (1912).
366. Scharp, H.: Friedrich Dessauer zum Gedächtnis. *Naturwissenschaftler und Christ. Katholischen Digest* **2**: 174–176 (1964).
367. Schinz, H. R.: Röntgen and Zürich. *Aus Alten Akten. Acta Radiol.* **15**: 562–575 (1934).
368. Segrè, E.: Enrico Fermi. *Dictionary of Scientific Biography*, Vol. 2, New York, Charles Scribner and Sons, 1970, pp. 576–583.
369. Segrè, E.: *Enrico Fermi*, Physicist. Chicago, University of Chicago Press, 1970.
370. Siegbahn, M.: Nouvelles mesures de precision dans le spectre des rayons X. *Compt. rend. Acad. Sci.* **173**: 1350–1352 (1921).
371. Sklodowska Curie, Mme.: Rayons émis par les composés de l'uranium et du thorium. (Note presented by M. Lippmann.) *Compt. rend. Acad. Sci. Paris* **126**: 1101–1103 (1898).
372. Sklodowska Curie, Mme.: *Recherches sur les substances radioactives*. Thesis Faculty of Sciences of University of Paris, Gauthier-Villars, 1903.
373. Slater, J. C.: Quantum theory of optical phenomena. *Phys. Rev.* **25**: 395–428 (1925).
374. Smith, A. K.: *A Peril and a Hope*. Chicago, University of Chicago Press, 1965.
375. Smith, A. K., Weiner, C.: *Robert Oppenheimer, Letters and Recollections*. Cambridge, Massachusetts, Harvard University Press, 1980.
376. Smyth, H. dW.: *Atomic Energy for Military Purposes*. Princeton, New Jersey, Princeton University Press, 1945.
377. Sommerfeld, A.: *Atom and Spectrallinien*. Friedr. Vieweg und Sohn. Braunschweig, 1919.
378. Sommerfeld, A.: *Atomic Structure and Spectral Lines*, 3rd ed., English translation, New York, Henry L. Bose, 1923.
379. *Souvenirs et Documents*. Paris, Assoc. Frédéric and Irène Curie, J. London, 1970.
380. Stenström, K. W.: *Experimentelle Untersuchungen der Röntgenspektra*. Doctoral thesis. Lund, Sweden, University of Lund, 1919.
381. Stephenson, R. J.: The scientific career of Charles Glover Barkla. *Am. J. Phys.* **35**: 140–152 (1975).
382. Stokes, G. G.: On the nature of the roentgen rays. *Proc. Cambridge Phil. Soc.* **9**: 216 (1896).
- 382b. Stone, R.: Health protection activities of the plutonium project. *Proc. Phil. Soc.* **90**: 11–19, January 1940.
383. Stuewer, R. H.: *The Compton Effect. Turning Point in Physics*. New York, Science History Publications, 1975.
384. Stuewer, R. H. (Ed.): *Nuclear Physics in Retrospect. Proceedings of a Symposium on the 1930's*. Minneapolis, University of Minnesota Press, 1979.
385. Szilard, L., Chalmers, T. A.: Chemical separation of the radioactive elements from its bombarded isotope in the Fermi effect. *Nature* **134**: 462–463 (1934).
386. Szilard, L., Chalmers, T. A.: Detection of neutrons liberated from beryllium by gamma rays: A new technique for inducing radioactivity. *Nature* **134**: 493–495 (1934).
387. Szilard, L., Zinn, W. H.: Instantaneous emission of fast neutrons in the interactions of slow neutrons with uranium. *Phys. Rev.* **55**: 799–800 (1939).
388. Thomas, H.: *The Spanish Civil War*. New York, Harper, 1961.
389. Thomson, J. J.: *Electricity and Matter*. New Haven, Connecticut, Yale University Press, 1904.
390. Thomson, J. J., Rutherford, E.: On the passage of electricity through gases exposed to Röntgen rays. *Phil. Mag.* **42**: 392–407 (1896).
391. Turner, L. A.: Atomic energy from U^{238} . *Phys. Rev.* **69**: 366– (1946).
392. Ulam, S. M.: *Adventures of a Mathematician*. New York, Charles Scribner, 1976.
393. von Halban, H., Jr., Joliot, F., Kowarski, L.: Energy of neutrons liberated in the nuclear fission of uranium induced by thermal neutrons. *Nature* **143**: 939 (1939).

394. Weart, S. R.: *Scientists in Power*. Cambridge, Harvard University Press, 1979.
395. Weart, S. R., Szilard, G. W.: *Leo Szilard: His Version of the Facts*. Cambridge, MIT Press, 1978.
396. Weichert, E.: Die theorie der Elektrodynamik und die Roentgen Entdeckung. *Schriften Phys. Ökon. Ges. Königsberg* 37: 1–48 (1896).
397. Weiner, C.: Interview of Mrs. Betty Compton (April 11–15, 1968, Princeton, New Jersey). Arthur H. Compton Collection Series 8, Box 3, Washington University Archives.
398. Weiner, C. (Ed.): *History of the 20th Century Physics*. Proceedings of the International School of Physics, “Enrico Fermi,” LVII. New York, Academic Press, 1977.
399. Weiskopf, V. F.: Max Planck. One hundred birthday celebration. *Phys. Today* 11: 16–19 (1958).
400. Weiskopf, V. F.: Niels Bohr and international scientific collaboration. In *Niels Bohr, His Life and Work As Seen By His Friends and Colleagues*, Rozental, S. (Ed.), New York, John Wiley and Sons, Inc., 1967, pp. 261–265.
401. Wetterer, J.: Une nouvelle application des Rayons-X; l'irradiation homogène des tissus profonds (Homogenstrahlung-Dessauer). *Arch. d'élect. med. Bordeaux* 16: 844–855 (1908).
402. Wheaton, B. R.: *Tiger and the Shark*. Empirical roots of wave-particle dualism. Cambridge, U.F., 1983.
403. Wigner, E. P.: *Symmetries and Reflections*. Bloomington, Indiana, Indiana University Press, 1965.