

# Acknowledgements

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## **Chapter 1**

1-1 Einstein the icon of genius in 1947, Photographer Orren Jack Turner, 1947

*Note: Modified with Photoshop by PM\_Poon and later by Dantadd*

1-2 Mileva as a 21-year-old student of the Polytechnic, Photographer unknown, 1896

## **Chapter 2**

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2-2 Hermann Minkowski, Photographer unknown, circa 1896, ETH-Bibliothek Zürich

2-3 David Hilbert, Photographer unknown, 1912

2-4 Cut-offs of Hilbert's Galley Proofs, Göttingen State and University Library of Lower Saxony, Photographer unknown, 20 Nov 1915, Permission: University of Göttingen

## **Chapter 3**

3-1 Marcel Grossman, Photographer unknown, Date unknown, ETH-Bibliothek

*Note: original in sepia*

3-2 Michele Besso, Photographer unknown, Date unknown, ETH-Bibliothek

*Note: original in sepia*

3-3 Heinrich Zangger, Photographer Camille Ruf, Before 1929

*Note: original in sepia*

3-4 First Solvay Conference in Brussels on Physics: The Theory of Radiation and Quanta, 1911, Photographer Benjamin Couprie, 1 Nov 1911

3-5 Second Solvay conference in Brussels on Physics: The structure of matter, Photographer unknown, 1913, Institut International de Physique Solvay

#### **Chapter 4**

4-1 Erwin Freundlich, Photographer unknown, Date unknown

4-2 Arthur Eddington, Photographer unknown, Date unknown, George Grantham Bain Collection

4-3 Eclipse observation equipment at Sobral, Photographer unknown, 1919

*Note: Original in sepia.*

4-4 Back L-R: Einstein, Ehrenfest, de Sitter; Front L-R: Eddington, Lorentz, Photographer unknown, Sep 1923, Courtesy of the Leo Baeck Institute, New York: F5347K-Albert Einstein with Paul Ehrenfest, Willem de Sitter, Arthur Stanley Eddington and Hendrik Antoon Lorentz in Leiden

*Note: original uncut; month indicated by author Walter Isaacson*

4-5 Kitt Peak National Observatory, KPNO 2.1-meter (84-inch) Telescope, Photographer unknown, 30 Jun 2020, Permission: NOIRLab

*Note: original in colour*

#### **Chapter 5**

5-1 Alfred Nobel, Photographer unknown, Date unknown

5-2 Phillip Lenard, Photographer unknown, 1905

#### **Chapter 6**

6-1 Max Planck, Photographer unknown, 11 Jan 1933

*Note: original in sepia.*

6-2 Hendrik Lorentz, Photographer unknown, 1925

6-3 Walther Nernst, Photographer Nicola Perscheid, 1906

6-4 Paul Ehrenfest, Photographer unknown, Date unknown

#### **Chapter 7**

7-1 Mileva and Einstein, Photographer unknown, 1912

7-2 Elsa and Einstein, Agence Rol, 1923

#### **Chapter 8**

8-1 Einstein is absent from the third Solvay conference: Atoms and electrons, Photographer unknown, 1921

8-2 Einstein is absent again from the fourth Solvay Conference on physics: Electrical conductivity of metals, Photographer unknown, 1924, Institut International de Physique Solvay, Brussels, Belgium.

8-3 Photo caption reads: “Albert Einstein near a blackboard with special relativity formulae, before 1940.”, Photographer unknown, Date unknown

8-4 Photo caption reads: “Albert Einstein writes a density formula of the Milky Way on January 14, 1931 on the board of the Carnegie Institute of the Mt. Wilson Observatory in Pasadena, California.”, 14 Jan 1931, Associated Press

8-5 Photo caption reads: “Cropped photo to recreate the Einstein Blackboard exploitable meme” with the formula removed or was it added to the above photograph? 1931, Updated photo 1 Sep 2021

### **Chapter 9**

9-1 Mileva Marić, Permission: Artist Robert Lewis Booth, March 2020

*Note: original in colour*

### **Chapter 10**

10-1 Emmy Noether, Photographer unknown, circa 1900, Publisher Mathematical Association of America, Brooklyn Museum, Agnes Scott College

10-2 Tatjana Afansijeva (also known as Tatjana Afanassjewa, Tatyana Afanasyeva or Tatiana Ehrenfest), Photographer unknown, circa 1910

10-3 Clara Immerwahr during her studies at the University of Breslau, Photographer unknown, circa 1900, uploaded 2 May 1915

10-4 Lise Meitner received her doctorate at the University of Vienna in 1906, Photographer unknown, 1906

10-5 Maria Skłodowska-Curie, the most famous woman scientist, Photographer unknown, Prior to 1907

### **Chapter 11**

11-1 Mileva, Hans Albert and Einstein, Photographer unknown, circa 1904, Courtesy of the Leo Baeck Institute, New York: F5373M-Albert, Mileva and Hans Albert

*Note: original in sepia, uncropped*

### **Chapter 12**

12-1 Mileva with Hans Albert, Photographer unknown, circa 1905, Courtesy of the Leo Baeck Institute, New York: F5373G-Mileva Einstein outdoors with son Hans Albert in baby carriage

*Note: original in sepia, uncropped*

### **Chapter 13**

13-1 Eduard and Hans Albert, Photographer unknown, 1919, Courtesy of the Leo Baeck Institute, New York: F5373A-Hans Albert and Eduard Einstein; Arosa, Switzerland: Portraits Family., Verso: handwritten note from Albert Einstein to Ilse and Margot Einstein in

Berlin

*Note: original uncropped; date indicated by author Michele Zackheim*

13-2 Fifth Solvay conference: Electrons and photons, Benjamin  
Couprie, 1927, Institut International de Physique Solvay, Brussels,  
Belgium

13-2 Bohr and Einstein, Photographer Paul Ehrenfest, 11 Dec 1925,  
Leiden