

List of Illustrations

- Figure 1.1:** Thomas Bachler, *From Düsseldorf to Kassel*, from the series *Reiseerinnerungen (Souvenirs)*, 1985. San Francisco Museum of Modern Art, Accessions Committee Fund purchase © Thomas Bachler.
- Figure 2.1:** Curt Teich Company, *Greetings from Chicago*, 1940s. Curt Teich Company Collection, The Newberry Library, Chicago.
- Figure 2.2:** Retouching Department, Curt Teich Company, c. 1920. Curt Teich Company Collection, The Newberry Library, Chicago.
- Figure 2.3:** Job envelope, information sheet and retouched proof for *View of Lover's Leap and the Narrows, from Wills Mountain Inn, Cumberland MD*, 1925. Curt Teich Company Collection, The Newberry Library, Chicago.
- Figure 2.4:** Curt Teich Company, Appointment card for sales representatives, 1920s. Curt Teich Company Collection, The Newberry Library, Chicago.
- Figure 2.5:** Curt Teich Company, *Sunset Route, Mile Creek Canyon. Crossed Three Miles East of Langtry, Texas*, 1908. Curt Teich Company Collection, The Newberry Library, Chicago.
- Figure 2.6:** Curt Teich Company, *506—Santa Fe's "Super Chief" Traveling thru the Orange Groves, California*, 1940. Curt Teich Company Collection, The Newberry Library, Chicago.
- Figure 3.1:** AP photo depicting the immediate aftermath of President Paul Doumer's assassination in 1932. The picture was likely flown by plane from Paris to London, and then transmitted by cable to New York, using the Bartlane method. The verso informs picture editors, perhaps unnecessarily, that "this picture has been slightly retouched." Author's private collection.
- Figure 3.2:** Korn device, drawing by A. Dressel, 1904. Printed in A. Fürst, *Das Weltreich der Technik*, vol. 1, Berlin, 1923.
- Figure 3.3:** Lindbergh meeting French aviator, inventor, and engineer Louis Blériot, who had made the first flight across the English Channel in 1909. Photo transmitted using the Bartlane method by Pacific and Atlantic Photos. McFarlane Papers, Volkerding Center for Creative Photography (AG 23 1.2, series 1–42).

- Figure 3.4:** “How Photographs of Lindbergh Were Sent by Cable,” July, 1927, *Dots and Dashes*, Vol. III, No. 7. McFarlane Papers, Volkerding Center for Creative Photography (AG 23 1.2, series 1–42).
- Figure 5.1:** Promotional image for the Emirates Boeing 777 cabin interior, emirates.com, 2020. <https://www.emirates.com/de/english/experience/our-fleet/boeing-777/> (accessed June 24, 2020).
- Figure 5.2:** Seat layout for the Lufthansa A380 lower deck. https://www.lufthansa.a.com/content/dam/lh/documents/discover-lufthansa/lufthansa-fleet/388/201905_A380_8-78-52-371B_klein_v2.pdf (accessed June 14, 2020, screenshot and clipping by the author).
- Figures 5.3-5.6:** TV commercial for Lufthansa, Advertising Agency Kolle Rebbe, 2012. <https://www.youtube.com/watch?v=CHP8AT1uwSA> (accessed June 14, 2020, screenshots by the author).
- Figure 6.1:** Napoléon III, Emperor of France, by Disdéri, albumen carte-de-visite, approximately 1859. *OnView: National Portrait Gallery, St Martin's Place, London*. <https://www.npg.org.uk/collections/search/-portrait/mw127179/Napoleon-III-Emperor-of-France?> (accessed June 6, 2020).
- Figure 6.2:** Raphael Santi's Painting *Sistine Madonna* in the panorama *Dresden during the Baroque* by Yadegar Asisi. In: Asisi, Yadegar. 2016. *Dresden im Barock. Yadegar Asisi 360° Panorama*. Berlin: Asisi Factory, 58.
- Figure 6.3:** Carte-de-visite album, “Photograph Album of John Collins Warren 1842-1927.” *OnView: Digital Collections & Exhibits*. <https://collections.countway.harvard.edu/onview/items/show/12796> (accessed June 6, 2020).
- Figure 7.1:** A screenshot from a bootleg copy of *Superstar: The Karen Carpenter Story*. Image from the author's collection.
- Figure 8.1:** Screen-capture from *The Hunger Games: Catching Fire IMAX® Behind the Frame*. YouTube, October 2, 2013. <https://www.youtube.com/watch?v=XPLIYcWMD4M&feature=youtu.be&t=90> (accessed June 12, 2020).
- Figure 8.2:** a) Tracks in sequential order. b) Interlaced Tracks. c) Including subtitles. d) Interlaced tracks without global index.
- Figure 8.3:** Abbreviated output from *ffprobe* showing the number of seek operations for a video recorded on an iPhone 8.
- Figure 8.4:** a) Two neighboring frames over time. b) Example of a GOP.
- Figure 8.5:** Screen-capture from *Game of Thrones* (HBO, 2011-2019), season 8, episode 3. *Amazon Prime Video*, best quality (6.5 GB/h) (accessed June 12, 2020).
- Figure 8.6:** Screen-capture from *Horizon Zero Dawn* (Sony Interactive Entertainment, 2017), played using PS4 Remote Play.
- Figure 8.7:** Available streams for the previously mentioned *The Hunger Games*-video.
- Figure 11.1a:** *Production of Vortices by Bodies Travelling in Water*, Ludwig Prandtl, and Oskar Tietjens, 1927, 35 mm (screenshots by the authors).

- Figure 11.1b:** *Entstehung von Wirbeln bei Wasserströmungen*, published by the RfDU in 1936, 16 mm (screenshots by the authors).
- Figure 11.1c:** *Entstehung von Wirbeln bei Wasserströmungen*, published by the IWF, 1950s, 16 mm (screenshots by the authors).
- Figure 11.1d:** *Vorticity*, Asher Shapiro, published by the NCFMF, 1961, 16 mm (screenshots by the authors).
- Figure 11.1e:** *Entstehung von Wirbeln bei Wasserströmungen*, published by the IWF and the *Göttinger Tageblatt*, 2009, digital video (screenshots by the authors).
- Figure 11.1f:** *PIV Analysis of Ludwig Prandtl's Historic Flow Visualization Films*, Jürgen Kompenhans, Christian, 2010, digital video (screenshots by the authors).
- Figure 11.2:** Cover from Shapiro 1961, design by Robert Flynn.
- Figure 12.1:** The decryption of the Arecibo message. https://commons.wikimedia.org/wiki/File:Arecibo_message_bw.svg (accessed March 14, 2021).
- Figure 12.2:** The Pioneer plaque. <https://commons.wikimedia.org/wiki/File:GPN-2000-001621-x.jpg> (accessed March 14, 2021).
- Figure 12.3:** The Voyager Golden Record cover. https://commons.wikimedia.org/wiki/File:The_Sounds_of_Earth_Record_Cover_-_GPN-2000-001978.jpg (accessed March 14, 2021).

