

Tafelmusik

J.S. Bach: The Circle of Creation

IMAGE CREDITS

1. Apollo with lyre. Photo credit: Depositphotos [phil bird].
 2. Mercury with metal wheel. Photo credit: Dreamstime images, ©Slayerspb.
 3. Apollo and Mercury plaques. Image credit: Raha Javanfar
 4. Elias Gottlieb Haussmann, *Portrait of Johann Sebastian Bach*, Stadtgeschichtliches Museum, Leipzig. Photo credit: Erich Lessing/Art Resource NY.
 5. Overview of Hyades Star Cluster. Photo credit: NASA, ESA, ST ScI.
 6. Cyprus Grove at Dawn / Cyprus Ridge in Arcadia. Photo credit: Elizabeth Ganiatsos.
 7. Tortoise Shell Lyre, © The Trustees of the British Museum.
- Richard Earlom, after Claude Lorrain, by kind permission of Harvard Art Museums:
8. *A Landscape, with Buildings, and Mercury Stealing Admetus's Cattle from Apollo*
 9. *A Landscape, with Cattle*
 10. *A Landscape, with Cattle, and with Mercury and Battus*
11. Abraham Ortelius, *Map of Europe*, c.1570. Photo credit: Depositphoto (cascoly).
 12. Paul de Wit, *Map of Leipzig*, by kind permission of Olaf Simons.
- Photos of Leipzig. Photo credit: Gert Mothes.
13. Statues of Apollo and Mercury on the Stock Exchange
 14. Towers of St. Nicholas and St. Thomas Church
 15. City Hall
16. Leipzig film footage of baroque Stock Exchange, St. Nicholas Church, St. Thomas Church, City Hall, and White Elster River. Filmed by Alex Foster.
 17. Photos of rastrum and ingredients of Bach's ink taken with kind permission of the Bach Museum, Leipzig. Photo credit: Gert Mothes.
 18. Image of Leipzig Stadpfeiffergasse, by kind permission of Martin Geisler.
 19. Joachim Ernst Scheffler, *Leipzig Stock Market, 1749*; images of watermarks used by Bach; page of continuo part from J.S. Bach Cantata 14. By kind permission of the Bach Museum, Leipzig.
 20. Microscopic views of feather, woods, bow hair, gut strings, and rosin by Daniel Geiger, Santa Barbara Museum of Natural History. Wood shavings provided by Olivia Pelling (Finestrings, Ottawa). Feather material provided by Dr. Krista Fahy, Curator of Ornithology at the Santa Barbara Museum of Natural History.

21. Photos of indoor Apollo and Mercury statues, town councillors, and eighteenth-century trade fair catalogue taken with kind permission of the Leipzig City Museum. Photo credit: Gert Mothes.
22. Images of millwheel stampers, rag sorters, papermakers, and candlemakers from Denis Diderot, *Encyclopédie des sciences, des arts, et des métiers*, 1750–1765, by kind permission of the Thomas Fisher Rare Book Library, University of Toronto.
23. Bernard Picart, *Outdoor concert*, 1709. Rijksmuseum, Amsterdam.
24. Vincent Laurensz van der Vinne, *Gold Shop*, 1714. Rijksmuseum, Amsterdam.
25. Photo of Doubrava used by kind permission of Petr Kečkeš.
26. Photo of Grünen paper mill, by kind permission of the AS/Doubrava Museum. Many thanks to Jitka Klimova, Consulate General of the Czech Republic in Toronto.
27. Film footage from *Chancery Papermaking* created by Avi Michael used by kind permission of Timothy Barrett, Director of the University of Iowa Centre of the Book
28. Film footage of wire drawing and harpsichord making at the workshop of Malcolm Rose, Lewes, U.K. Filmed by Mike Grippo for Tafelmusik.
29. Workshop of luthier Quentin Playfair, Toronto. Photo credits: Sue Dickin & Quentin Playfair.
30. Oboe and bassoon making at the Guntram Wolf family workshop, Kronach, Germany. Photo credit: Anna Marsh.
31. Workshop of Harry vas Dias, Atlanta, GA. ©Hastings Huggins.
32. Saxon Merino Sheep. Photo credit: Glenn Davidson.
33. Film footage of the Aquila String Factory created for *How It's Made* by Productions MAJ, Montreal.
34. Workshop of Stephen Marvin. Photos kindly provided by Stephen Marvin.
35. Anonymous gouache, *Collegium musicum concert in a tavern*, c.1740, by kind permission of Germanisches Nationalmuseum, Nürnberg.
36. Three versions of the first eight notes of the bass line of Bach *Goldberg Variations*, drawn by Ivars Taurins.
37. Leonardo da Vinci, *Drawing of the anatomy of the hand*. Photo credit: Depositphotos (lollok).
38. Hand montage photo credits: Glenn Davidson, Mike Grippo, Avi Michael, Sue Dickin, and Sian Richards.

Dr. Daniel Geiger has provided technical information about the capturing of his images. For low-magnification images up to 5x, standard macrophotography (Canon dSLR, Zeiss and Canon lenses) was sufficient. For finer details of strings, rosin, and bow hairs a Zeiss Discovery V20mot stereomicroscope and Zeiss AxioCam HRc digital microscope camera were employed. Because of limited depth of field, z/focus-stacking of up to about 40 optical planes with the computer program ZereneStacker was helpful. For some images of metallic surfaces, crosspolarization lighting was necessary. To show anatomical detail of wood a compound microscope (Zeiss Axioskop 2plus) provided the higher magnification. For ultimate detail, pieces of materials were prepared for scanning electron microscopy and imaged in a Zeiss EVO40XVP.