

Index

- “absolute” music, 5, 6, 89, 91, 229, 234, 261
- aesthetics
- and musicology, 20
 - and politics, 160–62
 - and technology, 22
 - and the senses, 15
 - and timbre, 88
 - birth of, 72
- Alembert, Jean Le Rond d’, 54, 73
- Altenburg, Johann Ernst, 156
- Ancelet, 66, 67
- André, Johann Anton, 224
- Apel, August, 43
- Aristotle, 24
- Arnold, Ignaz Ferdinand Theodor, 90, 91
- arrangement, 200–3
- Astor, George, 190
- audience, electrified, 196
- automata, 203
- automatic organ, *see* musical clock;
 - orchestron; panharmonicon
- Azevedo, Alexis, 249
- Bach, Carl Philipp Emanuel, 60, 61
- Balzac, Honoré de, “Gambara,” 205–8
- bass drum, 214, 218
- as king of instruments, 214
- bassoon, as grotesque, 57
- Batteux, Charles, 5, 30, 38
- Bawr, Madame de [Alexandrine-Sophie Goury de Champgrand], 253, 255
- Bayreuth Festspielhaus, 258, 262
- Beethoven, Ludwig van, 20, 193, 229, 233
- as contagion, 9, 231
 - and the idea of “twin” styles, 233
 - political music, 6
 - String Quartets, Op. 59, 201
 - Symphony No. 1 in C major, Op. 21, 230
 - Symphony No. 2 in D major, Op. 36, 230
 - Symphony No. 3 in E-flat major (“Eroica”), Op. 55, 201
 - Symphony No. 5 in C minor, Op. 67, 230
 - Symphony No. 6 in F major (“Pastoral”), Op. 68, 201
 - Wellingtons Sieg*, Op. 91, 193
- Bennett, Jim, 11
- Berlin, I., 169, 230, 232
- Berlioz, Hector, 211
- dislike of newly invented instruments, 218
 - “Euphonia,” 211–16
 - Grand traité d’instrumentation et d’orchestration modernes*, 10, 57, 213–14, 216–19
 - Symphonie fantastique*, 215
- Bockholdt, Rudolf, 78
- Bogenflügel, 184, 185
- Bogenhammerklavier, 187
- Bogenklavier, 61
- Bologna, 236, 250
- Bonds, Mark Evan, 5, 91
- Botstein, Leon, 91
- Boyle, Robert, 12
- Burke, Edmund, 198
- Burney, Charles, 117
- Burnham, Scott, 19
- Carpani, Giuseppe, 90, 157, 198, 240
- Castel, Louis-Bertrand, 14, 26, 27, 31, 36, 43
- Castil-Blaze [François-Henri-Joseph Blaze], 253
- cat harpsichord, 28
- chamber arrangements, and loss of effect, 201
- Cherubini, Luigi, 6, 231
- Chladni, Ernst Florens Friedrich, 187
- Christensen, Thomas, 42
- clarinet, 67–68, 69, 153
- clavicylinder, 187
- Cohen, I. Bernhard, 11
- color
- and design, 15
 - equivalency to musical tone, 28, 38, 45, 86, 256
 - as a metaphor for timbre, 23, 48, 71, 158, 166, 241
 - and pitch, 14, 24, 26
 - versus design, 39–40
- corps sonore*, 42, 73
- Crystal Palace, 199

- Dahlhaus, Carl, 5, 89, 155, 233, 261
 Darcy, Warren, 100
 Daube, Johann Friedrich, 69, 70
 Deathridge, John, 221
 Diderot, Denis, 54, 55
 Dies, Albert, 90
 Dubos, Jean-Baptiste, 30
 Dudamel, Gustavo, 1, 18
- Eagleton, Terry, 160
 Engel, Johann Jakob, 30, 169
 Erlmann, Veit, 13
 Esterházy, Nicholas, 190
 Eszterháza, 93
 euphon, 187
 Exposition Universelle, 1855, 218
- Farbenklavier*, see ocular harpischord
 Fend, Michael, 7
 Fétis, François-Joseph, 17, 204, 251
 Fludd, Robert, 32
 flute, 67
 fortepiano, 49
 invention of, 61
 Francoeur, Louis-Joseph, 68
 Frankenhausen, 230
 Franklin, Benjamin, 61
 Franssen, Maarten, 27
 Froelich, Franz Joseph, 153
 funerary art, 208–10
- Galison, Peter, 12
 Gardiner, William, 23, 24, 25, 49, 138, 158, 204
Geigenwerk, 61, 185
 Gerber, Ernst, 96
 Giardini, Felice, 9, 220
 glass harmonica, 61–65, 184, 188, 189
 Gluck, Christoph Willibald, 62, 215
 Goehr, Lydia, 5, 19, 183, 261
 Great Chain of Being, 168
 Great Exhibition, 1851, 218
 Griesinger, Georg August, 196
 Gurk, Joseph, 191, 193, 203, 208
- Haiden, Hans, 61, 184
 Haimo, Ethan, 105, 113
 Handel, George Frideric, 198, 199
 Giulio Cesare in Egitto, 255
 influence on Haydn, 199
 Messiah, 198, 199
 Handel Festival, 198, 199, 204
 Hanslick, Eduard, 18, 91
- Haydn, Joseph, 8, 15, 182, 191, 200, 220, 249
 in comparison to Wolfgang Amadeus Mozart, 98
 concertante style, 93–96
 Concerto for two lire organizzate in G major (Hob. VIIh:3), movement II, 131
 The Creation, 7, 9, 17, 136, 148, 169, 195, 199, 238, 250, 251
 arranged for string quintet, 201
 as encyclopedia, 169–79
 difficulty writing for wind instruments, 93
 Divertimento a 6 in G (Hob. II:1), 94
 Divertimento a 6 in C (Hob. II:11), 94
 as “father” of instrumental music, 92
 and the musical clock, 190
 as model, 223–26
 Paris symphonies, Nos. 82–87, 8
 popularity of, 10, 226
 reception of, 157
 The Seasons, 17, 148, 170, 236, 250
 as encyclopedia, 169–79
 Symphony No. 6 in D major, 94
 Symphony No. 7 in C major, 94
 Symphony No. 13 in D major, 94
 Symphony No. 22 in E-flat major, 94
 Symphony No. 82 in C major, movement IV, 112, 115
 Symphony No. 85 in B-flat major, 113
 Symphony No. 86 in D major, movement I, 112
 Symphony No. 88 in G major, 112
 Symphony No. 92 in G major, 108
 Symphony No. 93 in D major, 109
 movement II, 122
 Symphony No. 94 in G major, “Surprise,” 237
 movement II, 128–30
 Symphony No. 96 in D major
 movement I, 112
 movement II, 122, 128
 Symphony No. 97 in C major, 105
 movement III, 151
 Symphony No. 98 in B-flat major
 movement I, 105
 movement IV, 151
 Symphony No. 100 in G major, “Military”
 movement I, 110
 movement II, 130–33
 Symphony No. 101, 97
 movement II, 127
 Symphony No. 102 in B-flat major, 105
 movement I, 100
 movement IV, 112

- Haydn, Joseph (cont.)
 Symphony No. 103 in E-flat major,
 movement IV, 117
 Symphony No. 104 in D major, 112
 movement IV, 112, 116
 and “wrong instrumentation,” 100
- Heidegger, Martin, 21
- Helden, Albert Van, 11, 12
- Helmholtz, Hermann von, 53
- Hepokoski, James, 100
- Herder, Johann Gottfried, 4, 15
 on cognition and sensation, 83
 and the *corps sonore*, 73
 and Friedrich Justus Riedel, 74
 and Gottfried Wilhelm Leibniz, 77
 horn, 153, 155, 165, 224
 and the human as instrument, 84
Kalligone, 83–87
 musical monadology, 77, 87
 and the ocular harpsichord, 46
 and physics, 75
 and timbre, 78
Viertes Wäldchen, 74–79
- Hibberd, Sarah, 7
- Hiller, Ferdinand, 250
- history of science
 history of the discipline, 11
- Hoffmann, E. T. A., 17, 159, 166, 187, 203,
 229, 232
 “Die Automate”, 185–86
- Hoffmann, Johann Leopold, 48
- imitation, 4, 6, 30, 39, 56, 61, 92
 necessity for, 40
- instrumental music
 criticism of, 28–30
 scholarly narratives of, 4–7
- instrumentation treatise, 66–69
see also Berlioz, *Grand traité
 d’instrumentation et d’orchestration
 modernes*
- instruments
 and agency, 140
 and the body, 47
 character, 155, 168
 and character, 156
 and the idea of function, 156
 meanings of, 16, 235
 satire of, 221
 scientific, 11
- Jacquet-Droz, Pierre and Henri, 203
- Jahn, Otto, 93
- Janissary band, 227–29
- Janissary music, 130, 159, 232
- Johnson, James, 233
- Kalkbrenner, Friedrich, 93
- Kanne, Friedrich August, 248
- Kant, Immanuel, 79, 91, 161, 167, 184
 categorical imperative, as applied to
 orchestration, 166
Kritik der Urteilskraft, 79–83
- Kastner, Georg, 216
- keyboard, 60
- Kiesewetter, Raphael Georg, 91, 254
- Kircher, Athanasius, 26, 32
- Kirchgessner, Marianne, 63, 65
- Kirnberger, Johann, 60
- Klangfarbe*, 25, 48, 49, 50, 51, 53, 71, 155
 birth of, 50
see also timbre
- Koch, Heinrich Christoph, 47
- Kollmann, Augustus Frederic Christopher, 151
- Körner, Christian Gottfried, 163
- Kramer, Lawrence, 138, 170
- Kreutzer, Conradin, 188
- Kuhn, Thomas, 11
- Kunz, Thomas Anton, 187
- Laplace, Pierre-Simon, 13
- Lavoisier, Antoine, 13
- Leibniz, Gottfried Wilhelm, 77
- Leppich, Franz, 187, 189
- Locke, John, 23
- London, 97, 191, 196, 218, 220
- Loughridge, Deirdre, 13
- Lully, Jean-Baptiste, 104
- Mälzel, Johann Nepomuk, 193, 203, 207, 258
- Marx, Adolf Bernhard, 18, 91, 256
- Mathew, Nicholas, 6, 19, 229
- Méhul, Étienne, 9, 231
- Mersenne, Marin, 35–36
- Meyerbeer, Giacomo, 21, 261
Robert le diable, 58, 206
- Michaelis, Christian Friedrich, 154, 164, 167,
 186, 210
- Michotte, Edmond, 251
- monochord, 32
- Mozart, Wolfgang Amadeus, 93, 120, 181,
 249, 252
 Fantasia in F minor, K. 608, 209
 as model, 236
Le nozze di Figaro, 251
 reorchestration of Handel’s *Messiah*, 198

- Symphony No. 31 in D major, K.
 297/300a, 104
 Symphony No. 40 in G minor, K. 550, 252
Die Zauberflöte, 251
 musical clock, 110, 190
 musical painting, 39, 169
 musical topic, 163
- Newton, Isaac, 14, 23, 24, 41
Opticks, 24
 Niemecz, Father Primitivus, 190
 noise, 9, 33, 213, 214, 218, 219, 226, 230, 231,
 233, 234, 248, 249, 253, 256
 nose harpsichord, *see* ocular harpsichord
- oboe, 57, 217
 similarity to human voice, 60, 69
 octobass, 204
 ocular harpsichord, 14, 26, 43
 as applied to other senses, 36
 criticisms of, 50
 Oigny, Claude-François-Marie Rigoley,
 Comte d', 96, 97, 231
- orchestra
 consolidation of, 4, 194
 effect, 194–95
 improvements to, 203–5
 invisible, 258–61
 as machine, 17, 194
 as polity, 16
 as recording technology, 200
 orchestras, 185
 Berlin Philharmonic, 1
Concert de la Loge "Olympique," 8, 96, 231
Concert Spirituel, 104
 Los Angeles Philharmonic, 1, 18
 New World Symphony, 1
 Philadelphia Orchestra, 1, 2
- orchestration
 criticisms of, 9, 17
 as a discipline, 10, 216
 effect, 226–33, 253–55, 256
 and form, 100
 and the history of music, 256
 and ideality, 135
 and instrumentation, 16
 as luxury, 255
 orchestral growth, 16, 186
 orchestral openings, 112
 and polity, 151
 re-orchestration, 16
 and the sublime, 170, 196–200
Orchestre mecanique, 180
 orchestration, 186, 187, 193
 organ, 50
 organology, 32
- panharmonicon, 191, 193, 207, 258, 262
 panmelodicon, 187, 189
 Paris, 26, 38, 97, 104, 196, 199, 218, 232
 percussion, 33
 philosophical listening, 91
 Pluche, Noël-Antoine, 29, 40
 Poncelet, Polycarpe, 37
 Popper, Karl, 12
 Poussin, Nicholas, 40
 Praetorius, Michael, 34–35
premier coup d'archet, 104
- Quantz, Johann Joachim, 60
- Rameau, Jean-Philippe, 41, 73
 Rebel, Jean-Féry, *Les éléments*, 137
 Rehding, Alexander, 209
 Richards, Annette, 209
 Riedel, Friedrich Justus, 64
 Rochlitz, Friedrich, 166
 Roeser, Valentine, 67, 68
 Röllig, Karl Leopold, 63, 64
 Rosen, Charles, 138
 Rosetti, Anton, 226
 Rossini, Gioachino, 233, 252
Il barbiere di Siviglia, 247
La gazza ladra, 247
 and the idea of "twin" styles, 233
L'italiana in Algeri, 234–36
Mosè in Egitto, 237
Otello, 247
Semiramide, 248
 as "il Tedeschino," 250
Zelmira, 240, 249
- Rousseau, Jean-Jacques, 15, 30, 41, 42, 44
Du contrat social, 160
 and the *Encyclopédie*, 54
- Saint-Saëns, Camille, 262
 Salieri, Antonio, 196
 Schaffer, Simon, 11, 12
 Schenker, Heinrich, 138
 Schiller, Friedrich, "Über die ästhetische
 Erziehung des Menschen in einer Reihe
 von Briefe," 162
 Schlesinger, Maurice, 206, 212
 Schubart, Christian Friedrich Daniel, 49,
 153, 164
 Schucht, Joseph, 263

- Schulz, Johann Abraham Peter, 30
 Schumann, Robert, 215
 Shapin, Steve, 11, 12
 Sheinbaum, John J., 54
 Silverstolpe, Fredrik, 195, 201
 Siskin, Clifford, 13
 Sisman, Elaine, 98, 120
 Smith, Adam, 156
 Spitzer, John, 4, 155
 Spohr, Louis, 230
 Symphony No. 1 in E-flat major,
 Op. 20, 230
 Spontini, Gaspare, 7, 232
 Fernand Cortez, 232
 Stendhal [Marie-Henri Beyle], 238, 242
 Strasser, Johann, 180, 203, 208, 210
 Stravinsky, Igor, 10
 string instruments, 167–68, 210
 Sulzer, Johann Georg, 29, 60
 Swieten, Gottfried, Baron van, 136, 170,
 195, 198
- Telemann, Georg Philipp, 38
 Tieck, Ludwig, 88
 timbre
 and acoustics, 53
 birth of, 15
 etymology of term, 58–59
 first use of term, 54–56
 as a parameter, 15, 89, 257
 see also aesthetics; color, as a metaphor
 for timbre; *Klangfarbe*
 Titian [Tiziano Vecellio], 158, 240
 Tolley, Thomas, 92
 Tovey, Donald Francis, 138
 Triest, Johann, 90
- trumpet, 153, 155, 157, 164, 224
 scarlet, 23
- Vandenbroeck, Othon, 69
 Vasari, Giorgio, 39
 Vienna, 6, 191, 195, 230, 248, 250
 Virdung, Sebastian, 33–34
 Vogler, Abbé [Georg Joseph], 187
 Voltaire, 37, 43
 Vuillaume, Jean-Baptiste, 204
- Wackenroder, Wilhelm, 5, 50, 51,
 88, 167
 Wagner, Richard, 5, 21, 258
 Walton, Benjamin, 233
 Ward, M. Dixon, 54
 Warner, William, 13
 Weber, Carl Maria von, *Der
 Freischütz*, 217
 Weber, Gottfried, 50
 Webster, James, 96, 105, 170
 weird musicology, 21
 Will, Richard, 6
 wind instruments
 criticisms of, 154, 164, 165,
 221–25, 230
 development of, 7
 versus strings, 167
 Wise, M. Norton, 12, 14
 Wolf, Eugene, 99
 work concept, 5, 19, 200, 203
 Wranitzky, Anton, 201
 Wyn Jones, David, 6
- Zaslaw, Neal, 4, 155
 Zelter, Carl, 165, 223