

Index

- Abelson, Philip, 17, 40
 Adenauer, Konrad, 230–236, 238–239
 Alsos, 156–159
 Alsos Mission, 116, 147–148, 171
 Anschütz Company, 62, 80–82, 115–116
 Ardenne, Manfred von, 41–42
 Army Ordnance, 6, 23, 25–26, 29–30, 32–35,
 39, 42, 50–56, 59–62, 64, 69, 72, 83–84,
 88–89, 91–93, 95, 98, 116, 121, 125, 211,
 217, 260
 Aryan Physics, 68, 175, 199, 209–213, 229, 257
 Auer Society, 23, 34, 37, 50, 90–91, 98, 101,
 117, 120, 129

 Baumker, Adolf, 64
 Bagge, Erich, 6–12, 23–24, 92, 105, 121,
 136, 151
 Bamag Company, 114
 Beams, Jesse, 61, 141
 Belgium, 21, 35, 115, 256
 Berg, Moe, 261
 Beuthe, Hermann, 83, 203–204
 Beyerle, Konrad, 80–81, 115–116, 126
 Biermann, Ludwig, 244, 248
 Blackett, Patrick, 7
 Bøggild, Jørgen, 260
 Bohr, Niels, 16–17, 21, 162, 169, 187, 198,
 220–222, 224, 226–229, 233, 240,
 243–249, 259–261, 263, 265–267
 Bok, Bart, 177
 Bonhoeffer, Dietrich, 131
 Bonhoeffer, Karl-Friedrich, 30, 32, 43, 51, 59,
 79, 82, 118, 127, 131, 192
 Borger, Gustav, 209, 257
 Bormann, Martin, 133–134, 136
 Born, Hedwig, 237–238
 Born, Max, 216, 237
 Borrmann, Gerhard, 119
 Bosch, Carl, 18, 195, 217
 Bothe, Walther, 23–24, 27–28, 35, 52, 54, 65,
 68, 81, 92–93, 95, 97–99, 101, 117, 148,
 154–155

 Briggs, Asa, 42
Brighter than a Thousand Suns, 221, 226–227,
 233, 263, 272–273, 289
 Brüche, Ernst, 154, 159
 Bruno, Giordano, 186
Bulletin of the Atomic Scientists, 157, 159,
 166, 178
 Bush, Vannevar, 71, 72, 107, 152, 169
 Bütetisch, Heinrich, 60, 87, 111
 Butenandt, Adolf, 218

 Casimir, Hendrik, 255–256
 Chadwick, James, 13
 Clusius, Klaus, 25–26, 30, 32, 40, 54, 81,
 88–89, 97, 109, 113–114, 127–128
 Coblitz, Wilhelm, 242, 258, 264
 Conant, James, 72
 concentration camps, 8, 104, 124, 126, 129–
 131, 133, 139, 152, 157–158, 170–174,
 194, 201, 204, 218–219, 225, 240, 242,
 253, 255–256, 258–259, 264
 Coster, Dirk, 18, 171, 255
 Cremer, Erica, 31
 critical mass, 46–47, 53, 55–56, 66, 74–75,
 108, 142
 Curie, Irène, 13–14
 cyclotron, 17, 46, 66–67, 74, 107, 109, 148, 260

 Dames, Wilhelm, 199–200
 deBroglie, Louis, 187
 Debye, Peter, 18, 54, 92, 187
 Denmark, 21, 30, 220–221, 228, 240,
 243–249, 259–262, 264
 Diebner, Kurt, 6–7, 11, 33–35, 41–42, 54,
 89, 93–95, 98–99, 101, 106, 117–118,
 120–121, 125–127, 137, 149, 154, 260
 Dohnanyi, Hans von, 131
 Döpel, Klara, 39, 63
 Döpel, Robert, 37, 39, 63, 90, 97

 Eddington, Arthur, 180
 Eichmann, Adolf, 172

342 Index

- Einstein, Albert, 20, 161, 169, 175, 179–185, 187, 189–191, 193–194, 198–203, 205–206, 209–214, 220
- Eisenhower, General Dwight D., 85
- Erbacher, Otto, 19
- Esau, Abraham, 23, 54, 61, 80–82, 87–89, 91–95, 97–102, 109, 111, 115, 117, 132
- Euler, Hans, 44
- Euler-Chelpin, Hans von, 260
- Faraday, Michael, 186
- Farm Hall, 5–12, 23, 36, 55–56, 75, 132, 150–151, 156–157, 215, 219, 221
- Fermi, Enrico, 13–14, 17, 20, 47, 107, 141–142, 165, 244
- Finkelburg, Wolfgang, 59, 209, 211
- Fleischmann, Rudolf, 147–148, 157
- Flügge, Siegfried, 16
- France, 20–21, 35, 43, 147, 182, 189, 222, 253
- Franck, James, 175–177, 216
- Frank, Hans, 105, 242, 258–259, 264
- Frank, Walter, 196
- Franklin, Ursula Martius, 158
- Freyer, Hans, 251–253, 264
- Frick, Wilhelm, 192, 194
- Frisch, Otto, 15–16, 18–19, 46, 215–216
- Fromm, General Friedrich, 64–65, 211
- Fünfer, Erwin, 101
- Galilei, Galileo, 180, 186, 193
- Gamow, George, 15, 175
- Gehrcke, Ernst, 185
- Geib, Karl-Hermann, 31, 113
- Geiger, Hans, 24, 54
- General Government, 257–259
- Gerlach, Walther, 5, 7, 9, 11–12, 109–110, 112, 114–115, 117–121, 125, 132–134, 136, 148–149, 153, 204, 231–232, 303
- German Academy for Aviation Research, 64, 80, 97–98, 257
- German Chemical Society, 191
- German Cultural Institute, 227, 240, 243–245, 247–249, 251–253, 259–261, 264
- German Institute for Eastern Work, 242, 258–259
- German Physical Society, 65, 181, 190–192, 210
- German Research Council, 229–230
- German Research Foundation, 194–197, 199, 230
- Emergency Foundation for German Science, 230
- Gestapo, 41, 83–84, 128, 203, 224, 261–262
- Glaser, Ludwig, 209
- Glum, Friedrich, 217
- Goebbels, Josef, 59, 77–79, 133, 135, 185, 194, 200, 258
- Goerner, Johannes, 101, 132
- Göring, Hermann, 7, 64, 94, 102, 132, 134, 205, 210
- Görmert, Fritz, 101
- Göttingen Declaration, 229–235, 237–239
- Goudsmit, Samuel, 147–150, 152–154, 156–157, 159–172, 174–179, 213–214, 220, 223, 233, 237–238, 255, 266, 284, 305
- graphite, 24–25, 27–28, 32, 46, 52, 71–73, 106–107, 120, 122, 141–142
- Great Britain, 21
- Groth, Wilhelm, 23, 25, 61–62, 80–83, 115–116, 126, 141
- Gürtner, Franz, 196
- Haber, Fritz, 191–192
- Haber Memorial, 192
- Hahn, Otto, 5–7, 9–11, 13–19, 23, 35, 37, 39–40, 54–56, 59, 71, 92, 97, 105, 128–129, 132, 151, 157–158, 162, 168, 192, 215–219, 222, 231–232, 238–239
- Haigerloch, 122–123, 135, 141
- Halban, Hans von, 16
- Hanle, Wilhelm, 23, 27–28, 52
- Harnack House, 43, 68–70, 130
- Harteck, Paul, 5–7, 9–11, 23, 25–27, 29–35, 37, 43, 48–49, 51, 54–56, 59–62, 79–84, 87–89, 92, 95, 97–98, 110–116, 118, 126–128, 131–132
- Hartmann, Max, 218
- heavy water, 6, 24–33, 37–40, 45–50, 52–53, 55–56, 58–63, 66, 70, 72–73, 81, 84–90, 92, 95–101, 106–107, 110–118, 120–123, 126, 133, 137, 140–141, 143, 149, 155, 159, 162, 226, 229
- Hechingen, 8, 105, 118–121, 129–130, 134–137, 147, 149
- Heisenberg, Elisabeth, 8, 22, 24, 35, 37, 39, 42–44, 63, 67, 69, 71, 102, 120–121, 128–131, 134–140, 149, 151–152, 172, 175, 203, 209, 216, 237, 241, 245–247, 249–252, 255–256, 258, 260, 266
- Heisenberg, Erwin, 69
- Heisenberg, Werner, 5–11, 12, 21–22, 24–25, 27–30, 33–40, 42–45, 48–51, 53–59, 61, 63–72, 75–76, 90–103, 105–106, 108–109, 111, 117–121, 123, 127–132, 134–140, 143, 147, 149–157, 159–176, 178–179, 198–214, 220–222, 224–231, 233, 238–267, 288
- Hentschel, Klaus, 274
- Herold, Paul, 30–31, 34, 60, 87, 114–115
- Hertz, Gustav, 26

- Hess, Rudolf, 186, 197, 208, 214
 Heuss, Theodor, 174
 Heydrich, Reinhard, 8
 Heymann, Ernst, 189
 Himmler, Heinrich, 18, 61, 103–104, 133–134, 138, 157–158, 161, 171, 179, 186, 196, 202–208, 212–214, 229, 257, 264
 Hindenburg, Otto von, 189, 191, 200
 Hiroshima, 9–10, 55, 126, 142, 150–151, 156–157, 167, 215, 220, 229, 231
 Hitler, Adolf, 7–9, 11, 18, 22, 35, 42, 45, 51, 64, 67, 69–70, 72, 77, 104–105, 107, 130–133, 136–139, 158, 164–165, 167–168, 172, 175–178, 184–186, 188–189, 192–197, 200–205, 207–208, 210, 214, 217, 219–221, 225–226, 258, 272–274, 307
 Höcker, Karl-Heinz, 36, 51, 89, 94, 96, 98–100, 117, 147
 Hoffmann, Dieter, 274
 Höfler, Otto, 260–261, 264
 Houtermans, Fritz, 41–42
 Hungary, 251–253
 Hutchins, Robert, 175–176
- IG Farben, 25, 29–34, 60–61, 73, 84, 87–89, 112–114
 Institute for Radium Research, 41
 Irving, David, 65, 67, 69–70, 86, 140, 264
 isotope enrichment, 6, 10, 17, 25, 27, 32–33, 41, 45–46, 48, 50, 52, 62, 72, 73–74, 83, 91, 97, 107–108, 140–142, 148
 separation tube, 25–27, 33, 84
 ultracentrifuge, 26, 61–62, 80–82, 115–116, 246
 isotopes, 6, 13–15, 17, 25–26, 37, 48, 51–52, 61–62, 74, 107
- Jensen, Johannes, 88, 229, 260
 Jensen, Peter, 28
 Joliot-Curie, Frédéric, 13–14, 16, 19–20, 29, 253
 Joos, Georg, 22–23, 27
 Jordan, Pascual, 232, 238
 Juilfs, Johannes, 204, 207–208
 Jungk, Robert, 221–228, 233–234, 239, 263, 272–274
- Kaempffert, Waldemar, 159, 167, 170
 Kaiser Wilhelm Institute for Anthropology, 218
 Kaiser Wilhelm Institute for Brain Research, 218
 Kaiser Wilhelm Institute for Chemistry, 14, 16, 18–19, 23, 37, 40, 105, 128–129, 217, 219
 Kaiser Wilhelm Institute for Medical Research, 27
 Kaiser Wilhelm Institute for Metals Research, 65, 195
 Kaiser Wilhelm Institute for Physical Chemistry, 129, 191
 Kaiser Wilhelm Institute for Physics, 6, 20, 23–24, 31, 34–35, 37–40, 49, 51, 54, 62, 70, 89, 91–93, 95, 98, 101–102, 105, 110, 113–114, 117–119, 121, 123, 128–130, 134, 136, 151, 179, 212, 257
 Kaiser Wilhelm Institute for Psychiatry, 218
 Kaiser Wilhelm Society, 18, 43, 53, 59, 64–65, 71, 77, 89, 91–92, 94, 100–101, 105, 109, 130, 132, 134, 151, 191–192, 194–195, 211, 216–219, 244, 251–252
- Kaltenbrunner, Ernst, 8
 Karlauf, Thomas, 272
 Kepler, Johannes, 186, 190
 Kienle, Hans, 244, 248
 Koch, Peter Paul, 83–84
 Korsching, Horst, 6, 151
 Köster, Werner, 65
 Kowarski, Lew, 16
 Kramers, Hans, 254–257
 Krauch, Carl, 87
 Krupp Company, 62, 67
 Kuiper, Gerard, 256
 Kurchatov, I.V., 124
- Ladenburg, Rudolf, 42, 220, 266
 Langevin, Paul, 182
 Laue, Max von, 5–11, 82, 92, 129, 136, 151, 157–159, 171, 175, 179, 190–194, 200–201, 204, 211
 Laue, Theodore von, 9, 11, 158
 Lawrence, Ernest O., 46
 LeBon, Gustav, 185
 Leeb, General Emil, 53–54, 211
 Lenard, Philipp, 68, 175, 180–188, 192, 194–196, 198–200, 202–203, 206–207, 209, 211–212, 214, 257
 Leopoldina Academy of Sciences, 273–274
 Linde Society for Refrigeration, 33, 89, 113–114
 Lüde Company, 118
- Manhattan Project, 10–11, 76, 107–108, 141–142, 147, 157, 159, 162
 Marshall, George C., 72
 Mattauach, Josef, 23
 Max Planck Institute for Physics, 151, 231
 Max Planck Society, 151, 217–219, 239
 McCloy, John, 174
 McMillan, Edwin, 17, 40

344 Index

- Meitner, Lise, 13–19, 23, 39, 170, 215–216, 219, 222, 248
 Menge, Wolfgang, 273
 Mengele, Josef, 218
 Mentzel, Rudolf, 80, 91–92, 94, 97, 101, 109–110, 129, 133, 194–196, 199, 203, 208, 211, 242, 245
 Mey, Karl, 193
 Milch, General Field Marshall Erhard, 64–68, 97, 211
 Montecatini Company, 88, 114
 Morrison, Philipp, 157–159, 171
 Müller, Paul, 36, 51, 89, 157
 Müller, Wilhelm, 208–209
- National Socialist German Workers Party, 7, 59, 64, 78–79, 103–105, 132–134, 136, 138, 172, 183, 185–186, 188, 194, 196–197, 202, 205–206, 208, 213, 217, 242, 245, 249–252, 257–258, 264
 National Socialist University Lecturers League, 59, 209, 241, 257
Naturwissenschaften, Die, 15, 18, 160, 171
 Netherlands, 21, 35, 170, 254–257, 259, 262
New York Times, 159, 167–168, 180
 Newton, Isaac, 180, 186, 190
 Nier, Alfred, 17, 61
 Nobel Prize, 13, 183–184, 201, 215–216, 239, 251, 259
 Norsk Hydro, 29–32, 48–49, 51, 55, 59–60, 73, 84–88, 110–113, 119, 286
 Norway, 21, 28, 30, 32–33, 43, 49, 51, 59–60, 84–88, 110–112, 115, 117–118, 229, 248
 nuclear reactor, 7, 10–11, 24, 40, 56, 71–73, 89, 106–107, 141–142, 168, 229, 231, 246
 uranium burner, 24, 28, 38–39, 41, 45, 49–50, 52–53, 62–63, 65, 70, 73, 98, 100, 118, 120
 uranium machine, 11, 16, 24–29, 31–39, 41, 45–46, 48–50, 52, 57–58, 62–63, 65, 70, 73, 90–95, 97–99, 106, 116–123, 141, 143, 148, 153, 155–157, 162, 165, 217
- Operation Barbarossa, 44
 Oppenheimer, J. Robert, 74–75, 108, 142, 165, 269
 Osenberg, Werner, 115, 134
 Ossietzky, Carl von, 201–202
- Paschen, Friedrich, 193
 Pash, Colonel Boris, 139–140, 147
 Peierls, Rudolf, 46, 170, 305
 People's Storm, 134, 136
 Philipp, Kurt, 19
- Physical Review*, 244
Physikalische Blätter, 154, 159
 Planck, Max, 43, 64, 179, 182–183, 187, 189–191, 193, 195, 212, 217, 219, 251–252
 plutonium, 10, 42, 65, 69, 72–73, 75, 106–107, 141–142, 156–157, 162, 165–168, 217, 246, 274
 element 94, 17, 39–41, 46, 49, 52–53, 65–66, 75, 94
 transuranic element, 13–15, 17, 19, 39–40, 42, 45, 92, 157
 Poland, 8, 21–22, 103, 105, 152, 216, 242, 249, 257, 259, 264
 Pose, Heinz, 99
 Prandtl, Ludwig, 205–207, 210, 213, 312
 Prussian Academy of Sciences, 179–180, 189–190, 193, 213, 257
 Pugwash, 236
 Federation of German Scientists, 239
- Rabinowitch, Eugene, 159
 Rajewsky, Boris, 218
 Ramsauer, Carl, 65, 210, 213, 257
 Rathenau, Walther, 182–183
 Regional NSDAP leaders, 103
 Reich Chemical-Technical Institute, 95, 98
 Reich Kinship Office, 129–130
 Reich Metals Office, 26
 Reich Ministry of Armaments, 90, 92, 114, 125, 128, 257
 Reich Ministry of Aviation, 205, 211
 Reich Ministry of Foreign Affairs, 20, 172, 174, 243–245, 260
 Reich Ministry of Science, Education, and Culture, 22, 64–65, 68, 175, 191, 194–196, 198–199, 202–204, 208, 211, 241–245, 249–251, 253–255, 257–258, 262
 Prussian Ministry of Culture, 191
 Reich Ministry of the Interior, 18, 194
 Reich Physical-Technical Institute, 91, 184, 192–193, 195–196, 203
 Reich Research Council, 23, 53–54, 56, 59, 61, 64, 69–71, 91, 97, 109, 116, 119, 132–133, 157, 162, 194, 210, 230
 Rein, Hermann, 218
 Restoration of the Professional Civil Service, 190, 198
 Rexer, Ernst, 99
 Riehl, Nikolaus, 23, 34, 50, 91, 117, 129–130
 Rittner, T. H., 5
 Röntgen, Wilhelm, 183
 Roosevelt, Franklin Delano, 20, 72
 Rosenberg, Alfred, 185–186, 205, 257

Index

345

- Ross, Colin, 138
 Rust, Bernhard, 54, 65, 189, 191–192, 194–195, 200, 210, 244, 285
 Rutherford, Ernest, 13
- Sauter, Fritz, 211
 Savitch, Paul, 14
 Scherrer, Paul, 248
 Schintlmeister, Josef, 41
 Schrödinger, Erwin, 187, 190, 198
 Schumann, Erich, 50–51, 54, 92, 95, 125, 194
Schwarze Korps, Das, 22, 200–203, 207–208
 Siemens Company, 91
 Slovakia, 253–254
 Society for German Natural Scientists and Physicians, 181, 183
 Sollinger, Karl, 196–197
 Sommerfeld, Arnold, 128, 181–182, 184, 187, 197–201, 204, 208–209
 Soviet Union, 22, 26, 40–41, 44–45, 50–51, 71, 77–79, 105, 113, 121, 124, 126–127, 151–152, 169, 210, 218, 230, 232, 235, 240, 246, 262, 265
 Speer, Albert, 64–72, 90–92, 94–95, 97, 100–101, 103–105, 107, 109, 117, 119, 132–134, 154, 211, 223, 229, 257–258
Spiegel, Der, 233, 273–274
 SS, 7–8, 18, 22, 35, 44, 61, 103–104, 115, 129, 133, 137–140, 149, 161, 172, 186, 194–195, 200, 202, 204–208, 212–214, 229, 247, 257, 260, 264, 293
 Security Service, 22, 79, 104, 196, 203–205
 Stadtilm, 116–117, 121, 123, 137, 148
 Stalingrad, 70, 77–79, 256, 262
 Stark, Johannes, 68, 161, 175, 182, 184–188, 191–209, 211–214, 231
 Starke, Kurt, 40
 Stimson, Henry, 72
 Strassmann, Fritz, 13–19, 35, 40, 162, 168, 217
 Strauss, Franz Josef, 231, 233–234
 Strömberg, Bengt, 244, 248
 Strömberg, Elis, 248
 Strong, General George V., 85
 Suess, Hans, 29, 59, 84–85, 87, 112–115, 259
 Suhr, Albert, 82–83
 Swedish Academy of Sciences, 216
 Switzerland, 250–251, 261–262
 Szilard, Leo, 16, 19–20, 42, 47
- Taiffingen, 8
 Teller, Edward, 175–178, 223, 225, 234
 Telschow, Ernst, 89, 92–95, 217–218, 251–252
- Themistocles, 191
 Thomson, J. J., 183
 Thüring, Bruno, 209, 212
 Todt, Fritz, 64
 Tomaschek, Rudolf, 199, 209
 Trinks, Walter, 125
 Tronstad, Leif, 86
 Turner, Louis, 17
- United States, 5–6, 10–11, 16, 20–21, 23, 35, 45–47, 51, 53–55, 58, 62, 64–67, 71–76, 87, 97, 106–108, 139, 141–143, 149–157, 159–164, 168–169, 171, 175–178, 189, 198, 213–215, 217, 219, 221–223, 227, 229, 232, 235, 240, 243–244, 252, 259, 265–267
 University of Berlin, 130, 193, 203, 218, 253, 257
 University of Leipzig, 24, 164, 198, 202, 242, 250
 University of Munich, 181, 198, 261, 264
 Unsold, Albrecht, 244
 uranium 235, 10, 17, 24–26, 28, 35, 39–41, 45–46, 51–53, 55–59, 61, 66, 72, 74–75, 80, 94, 97, 108, 124, 141–142, 156–157, 162, 217, 301
 Urfeld, 102–103, 128, 130, 134–135, 137–140
- Vahlen, Theodor, 195, 213
 Verschuer, Otmar von, 218
 Vögler, Albert, 53–54, 59, 64–65, 92–95, 101–102, 105, 109, 111, 117, 132, 134, 217, 252
Völkischer Beobachter, Der, 185, 192, 198–199, 201
- Waerden, Bartel van der, 164–165, 220, 226
 Wagner, Adolf, 196
 Wallace, Henry A., 72
 Watzlawek, Hugo, 41
 Wednesday Society, 130
 Weisskopf, Viktor, 166–167, 177–178, 235–236, 238
 Weizsäcker, Carl Friedrich von, 6–8, 11, 20–21, 36, 40–42, 51, 58, 65, 71, 89, 93, 121, 131, 150–151, 157, 172, 174–179, 209, 211–212, 214, 220–229, 231–240, 243–245, 247–249, 251–253, 260–261, 265–266, 272–274
 Weizsäcker, Ernst von, 69, 172, 174, 243, 245, 264
 Wesch, Ludwig, 203–204, 209
 Wheeler, John, 16–17, 162
 Wiechert, Ernst, 194
 Wigner, Eugene, 20

346 Index

Wildhagen, Eduard, 196	<i>Zeitschrift für die gesamte</i>
Wirtz, Karl, 6–8, 11, 31–32, 37, 39–40, 48,	<i>Naturwissenschaft</i> , 206–207,
59–60, 62, 84, 88, 100–101, 118–119,	211, 214
121–123, 149, 151, 155, 236	Zimmer, Karl, 90, 117
Witzell, Admiral Karl, 65, 210–211	Zinn, Howard, 16