

Index

- Adlershof shell, filling plant, 141
 Agamben, Giorgio, 286
 air and gas protection journals
 Beruf und Stand, 232
 Die Gasmasken, 232
 Die Sirene, 232
 Drägerheft, 232
 Gasschutz und Luftschutz, 170, 231–232, 281
 Luftschutz-Rundschau, 232
 Ziviler Luftschutz, 281
 Air Defense Act of 1935, 231
 air raid shelters
 apartment building basements, 249
 large public shelters, 247
 in Weimar Germany, 168
 Allen, Michael Thad, 278
 Ambros, Otto, 220
 antigas activism
 communist, 157–158
 pacifist, 152–157
 Aschoff, Ludwig, 118
 Recognition and Treatment of Gas Poisoning, The, 119
 Association for German Air Defense, The, 167
 atmo-terrorism, 9, 267, 280, 284
 environmental weapon, 102
Auergesellschaft, 30, 59, 147
 Die Gasmasken, 149
 gas mask testing, 60
 under the Nazis, 224
 post-World War I, 126
 Auschwitz, 275
 BASF, 16, 19, 28, 30, 107
 ammonia synthesis, 19
 chemical monopoly, 137
 early connections to Haber, 50
 gas protection courses, 59
 interwar Allied harassment, 146
 in the Third Reich, 220
 Battle of Bolimow, 25
 Battle of Loos, 62, 82
 Battle of Passchendaele, 47
 Battle of the Marne, 23
 Battle of the Somme, 65
 Bauer, Max, 21, 24, 37
 justification for gas warfare, 33
 Bayer, 16, 18, 57, 107
 chemical monopoly, 137
 cylinder provision for the Second Battle of Ypres, 37
 early connections to Haber, 50
 gas mask filter production, 69
 gas mask testing, 59
 gas protection courses, 59
 interwar Allied harassment, 146
 T-Shell production, 25
 in the Third Reich, 220
 Becher, Johannes
 (*CHCI = CH*) 3 (*Lewisite*), 105
 Beck, Ulrich, 3
 Benjamin, Walter, 213
 “The Work of Art in the Age of its Technological Reproducibility”, 212
 “Theories of German Fascism”, 211
 Big Science, 51
 Binding, Rudolf, 40
 Black Veil Respirator, 81
Blockgemeinschaft, 249
 Board of Wartime Raw Materials, 33
 Bombing Campaigns of World War II, 261
 Born, Max, 49
 Bosch, Carl, 19, 146, 219
 Bourke, Joanna, 130
 Breloh shell filling plant, 47, 141, 143
 British Special Brigade, 21
 Broch, Hermann, 127, 204
 Bruchmüller, Georg, 70
 Bunsen, Robert, 26
 Bunte, Hans, 28
 Büscher, Hermann, 121, 179
 as a physician, 110

324 Index

- Büscher, Hermann (cont.)
 postwar activities, 126
- cartouches suffocantes*, 20, 41
- chemical modernity
 diversity of German visions, 7
 of the gas specialists, 3
 German, 2
 Nazi, 5, 255
- Chemical Modernity, 8, 280, 283
- chemical subjects
 Nazi, 255, 259, 269
 World War I, 78, 101
- chemical technologies
 subjective experience of, 77
- chemical warfare casualties
 American World War I casualties, 69
 German World War I casualties, 106
- chemical weapons political theory,
 266–268
- chlorine gas
 health effects, 83
 initial weaponization, 33
 Second Battle of Ypres, 38
- Civilian Preparations for Aero-Chemical
 War
 French, 258
- civilian preparations for aero-chemical
 warfare
 British, 257
- cotton mouth pads, 25, 37, 39, 58, 80
- Crown Prince Rupprecht, 40
- Degesch, 139, 146, 275
- Degussa
 buying of Auergesellschaft shares,
 224
 buying of Degesch, 139
 in the interwar, 139
 in World War I, 138
- Deimling, Berthold von, 36
- demilitarization of the Rhineland, 137
- Deutscher Luftschutzliga*, 169
- Die Luftwacht*, 163
- Dix, Otto
 Der Krieg, 198
 Lichtsignale, 194
- Döblin, Alfred, 204
- Dominik, Hans, 203
 Atomgewicht 500, 203
 Der Gas-Tod der Großstadt, 203
- Douhet, Giulio, 159–160
- Dräger Pulmotors, 107
- Dräger Selbstretter*, 35, 37, 59, 78
- Dräger, Bernhard, 56
- Dräger, Heinrich, 224
- Drägerwerks, 56, 59, 147
 Drägerheft, 148
 under the Nazis, 224
 post-World War I, 126
 World War I gas mask production
 numbers, 61
- Dubson, Mikhail
 Giftgas, 200
- Duisberg, Carl, 18, 44, 50, 57, 146
- Duke Albrecht of Württemberg, 25, 36
- Edgewood Arsenal, 164
- Einstein, Albert, 31, 49
- Eksteins, Modris, 179
- Elberfelder Laboratory, 125
- Ellul, Jacques, 5
 The Technological Society, 5
- embodied language of gas, 104
- Emergency Committee for German
 Science, 49, 137
- Engler, Carl, 28
- Entgiftungsstruppen*, 71
- Evers, Kai, 204
- F batteries. *See* chlorine cylinders
- Falkenhayn, Erich von, 23
- F-batteries, 80
- Fischer, Emil, 19, 29, 44, 51
- Flakverein*, 167
- Flury, Ferdinand, 124–125, 134, 140
 postwar activities, 126
- Foch, Ferdinand, 136
- Foucault, Michel, 285
- Foulkes, Charles Howard, 21, 62
- Four Year Plan, 225
- Franck, James, 34, 42
- Franco-Algerian troops, 38
- Friedrich Wilhelm University, 26
- Friedrich, Ernst
 Krieg dem Kriege!, 150
- Fries, Amos
 justifications for gas warfare, 164
- Fritzsche, Peter, 133, 251
- gas chambers
 Auschwitz, 275
 T4 Program, 275
 in World War I trenches, 98
- gas discipline, 59, 66, 106, 120
 at the end of World War I, 71
 formulation by Haber, 98
 impact on pension claims, 129
 interwar civilian discipline, 176
 as a medical concept, 121

- gas humor
 - in World War I, 84
 - in World War II, 250
- gas hysteria, 114–115
- gas mask
 - airtight seal, 94
 - colloquialisms, 82
 - dehumanization in World War I, 87
 - eye pieces, 89
 - leaks, 96
 - as a medical prophylactic, 120
 - as an omen, 104
 - for World War I doctors, 112
- Gas Mask 24, 147
- gas neurosis, 106, 113–114
 - accusation of malingering, 116
 - signs and symptoms, 115
 - treatments, 116
- gas officers, 66, 97
- gas protection, 119
 - gas protection hoods, 118
 - under the Nazis, 223–226
 - soldier introduction in World War I, 82
- gas protection courses
 - for adults, 242
 - for children, 241
 - in German primary schools, 240
 - Reichsluftschutzbund*, 242
- gas sentry, 92
- gas shells
 - development, 46, 64
 - phosgene, 65
 - tear gas, 63
- gas specialists, 134, 174, 178, 235, 278
 - debates over civilian gas mask distribution, 176
 - financial interests, 239
 - formation of specialized field, 126
 - historical responsibility, 7
 - list of important gas specialists, 169
 - loss of influence, 238
 - political consolidation, 174
 - political rise, 173–176
 - RLB support, 233
 - in the Third Reich, 4, 232–239
- gas tactics of World War I
 - Buntschiessen*, 70–71
 - combat training, 99
 - mobilizing the front, 99
- gas training schools
 - interwar training, 143
- Gasdisziplin*. *See* gas discipline
- Gassümpfe*, 69
- Gasüberfälle*, 68
- Gaupp, Robert, 113
- Geiger, Hans, 34
- Geneva Protocol, 156, 160
- German Association for Psychiatry
 - Conference (1916), 113
- German High Command, 23, 36, 39, 60, 65
- Geyer, Michael, 173
- Gilles, Barthel
 - Self Portrait with Gas Mask*, 198
- Göring, Hermann, 216, 228, 230, 279
- Grimme, Hugo, 159, 216
- Grosz, George, 197–198
- Grothe, Heinz, 187
- Haase-Lampe, Wilhelm, 148
- Haber Constant, The, 124
- Haber, Fritz
 - captain in the German army, 44
 - early life, 26
 - in exile, 48–49
 - family history, 26
 - friendships, 31
 - historical responsibility, 7
 - justifications for gas warfare, 49, 121
 - military service, 26
 - near-death experience, 37
 - pesticide research, 138–141
 - post-war funding solicitation, 137
 - post-World War I national inquiry, 49
 - religious conversion, 27
 - in the Third Reich, 221
 - university study, 26
- Haber, Siegfried, 26
- Haber-Bosch Process, 19, 23
- Hague Conventions, 18, 20–22, 33, 62, 151, 158, 161
 - Hague Peace Conference of 1899, 17
 - Hague Peace Conference of 1907, 17
- Hahn, Otto, 34
- Haldane, John Scott, 81
- Hamburg gas leak, 172
- Hampe, Erich, 216, 237, 281
 - civilian air raid guidelines in the Third Reich, 217
- Hanseatische Apparatebau-Gesellschaft*, 56
- Hanslian, Rudolf, 6, 35, 101, 134, 169–170, 232, 281
 - history of chemical weapons, 253
- Harnack, Adolf von, 52
- Hartley, Harold, 136
- Hase, Albrecht, 139–140
- Hayes, Peter, 218
- Hertz, Gustav, 34
- Herzog, Reginald Oliver, 60

326 Index

- Hindenburg, Paul von, 25
 Hitler Youth, 228, 241
Hitler Youth Quex, 274
 Hitler, Adolf, 93, 279
 World War I gassing, 266
 Hoch, Hannah
 Dada-Rundschau, 195
 Hoechst AG, 16
 chemical monopoly, 137
 interwar Allied harassment, 146
 T-Shell production, 25
 Hofmann, A.W., 26
 Hydrogen cyanide. *See* prussic acid
 Hypo Helmet, 81
- IG Farben
 under the Nazis, 218
 in World War I, 50
 industrial gas protection guidelines
 in Nazi Germany, 244
 Institute for Applied Chemistry and
 Biochemistry, The, 44
 international arms treaties
 pacifist support, 151
 Right-wing skepticism, 162
 International Committee of the Red Cross, 129
 interwar aerial warfare novels, 203
 irritant gases, 67
- Jäger, August, 38
 Joffre, Joseph, 81
 Jünger, Ernst
 as a gas officer, 97
 Der Arbeiter, 208
 Die totale Mobilmachung, 132
 interwar theory of technology, 198
 post-WWI novels, 193
 stereoscopic vision, 206
 Storm of Steel, 190
 total mobilization, 132
 World War I, 84, 103
 Just, Gerhard, 28
- Kaes, Anton, 199
 Kahlbaum factory
 gas mask testing, 59
 T-Shell production, 25
 Kaiser Wilhelm Foundation for the
 Sciences of Military Technology, 44
 Kaiser Wilhelm II, 31
 Kaiser Wilhelm Institute for Physical and
 Electrochemistry, 59
 founding, 29
- Fritz Haber made Institute director, 30
 gas protection instruction, 118
 military transition, 34
 post-World War I transition, 48
 Kaiser Wilhelm Society, 29, 45
 in the Third Reich, 222
 Kaiser, George
 gas trilogy, 202
Kameradschaft
 as a postwar theme, 187
 Kaufmann, Doris, 194
 Kellner, Dora Sophie, 211
 “The Weapons of Tomorrow”, 211
 Kellogg-Briand Pact, 161
 Knipfer, Kurt, 230, 256
 Knorr, Ludwig, 27
 Koppel, Leopold, 29, 44, 51, 224
 Köppen, Edlef, 186
 Kraus, Karl, 209
Kriegserlebnis novels, 182
 nationalist writers, 187, 193
 pacifist writers, 187
 Kröhne, Rudolf, 168, 175
 Kuhn, Richard, 222
- Laffert, Karl August von
 Giftküche, 202
 Lampel, Peter Martin, 202
 Giftgas über Berlin, 202
 League of German Girls, The, 241
Lebensville, 253
Ledermaske, 69
 Lefebure, Victor
 The Riddle of the Rhine, 136
 Lewisite, 164
 Liebermann, Carl, 27
Linienmaske, 60, 82
 Livens projector, 67
Ludwig von Bremen, 55
- M2 gas mask, 87
 Mackensen, August von, 25, 57
 Macpherson, Cluny, 81
 magical realism, 87, 191
Materialschlacht, 106
 medical treatment of gas
 bloodletting, 108
 detached concern, 130
 heavy gassing, 109
 Kaufmann-Kur, 128
 light gassing, 108
 severe gassing, 109
 translation of pain, 130
 meteorological science, 58
 weather conditions for gas warfare, 36, 38

Index

327

- meteorological services, 94
 Military Inter-Allied Control Commission, 136, 140, 146
 military-industrial complex, 15
 military-industrial-academic complex, 52
 Minkowski, Oskar, 118
 Recognition and Treatment of Gas Poisoning, The, 119
 Moltke, Helmuth von, 23
 Munich Crisis, 257
 Muntsch, Otto, 223
 mustard gas, 47
 first use in World War I, 68
 treatment, 111

 Nazi Chemical Subject, 263, 278
 Nazi Four Year Plan, 219
 Nernst, Walther, 24, 29, 44
 Nerve Gases, 266
 Sarin, 220
 Soman, 222
 Tabun, 220
 Nestler, Waldus, 154
 Ni-shells, 24
 nitrogen
 German supply in World War I, 19
 No-More-War Demonstrations, 149

 organic chemistry
 nineteenth century, 16
 Ossietzky, Carl von, 173
 Ossoawiachim, 165
 Ostwald, Wilhelm, 29
 Owen, Wilfred, 94

 Paetsch, Heinrich, 170, 231–232, 281
 Pale Horse of Death, The, 75
 Panchasi, Roxanne, 258
 Paris Air Agreement, 167
 pesticides, 49
 rhetorical violence in the Third Reich, 271
 Peterson, Otto, 34
 phosgene gas, 57
 Pick, Hans, 60
 Pioneer Regiments 35 and 36, 34, 38, 57, 65, 78
 Planck, Max, 222
 Plessner, Helmuth, 195
 poison gas
 German ethno-national chauvinism, 81
 German military repugnance, 36
 physiological effects, 111
 psychological damage, 40, 42
 sociocultural conflicts in the Imperial German army, 22
 poison gas exposure
 late-developing medical issues, 11
 mustard gas, 111
 pension claims, 129
 shell filling, 65
 poison gas production
 interwar support for, 174
 under the Nazis, 223
 Price, Richard, 268

 Quasebart, Karl, 147, 178

Rahmenmaske, 66
 Rathenau, Walther, 33
 Reich Institute of Biology, 140
Reichsluftschutzbund, 4
 air defense shows, 229
 beginnings, 216
 campaign of summer 1933, 217
 coercive measures, 261
 exclusion of Jews, 269
 geopolitical ideas, 252
 inclusion of women, 247
 marginalization in the 1940s, 263
 public approval, 259
 restructuring in 1935, 231
 Remarque, Erich Maria, 182–185
 All Quiet on the Western Front, 180, 182
 Remy, Heinrich, 174
Rentenneurose, 117
 Riedel de Haen
 gas mask filter production, 69
 Rif War, The, 144

 Saint-Amour, Paul, 201
 Saraiva, Tiago, 285
 Scarry, Elaine, 130
 Schauwecker, Franz, 189–190
 Schering pharmaceutical
 gas mask filter production, 69
 gas mask testing, 59
 Schjerning, Otto von, 119
 Schlichter, Rudolf
 Dada Dachatelier, 196
 Schlieffen Plan, 23
 Schrader, Gerhard, 220
 S-E filter, 69
 Second Battle of Ypres, 1, 14, 38–39
 casualties, 14
 French army Algerian and Moroccan troops, 80
 gas casualties, 40
 memorialization, 42

328 Index

- Second Battle of Ypres (cont.)
 press reports, 40–41
 Section A10, 46
 Seeckt, Hans von, 141–143, 162, 177, 200
Selbstschutz, 218, 262
 Sloterdijk, Peter, 1–2
 Small Box Respirator, 67, 85
 S-Mask, 236
 sodium thiosulphate, 81
 Sondergruppe R, 142
 Spengler, Oswald
 Faustian man, 211
 Man and Technics, 210
 SS gassing installations, 274
Stahlhelm, 95
 Staudinger, Hermann, 49
 Stern, Fritz, 28, 140
 Stoltzenberg, Hugo, 35, 47, 126, 141, 143, 282
 Bersol AG, 144
 Gräfenhainichen factory, 144
 involvement in The Rif War, 173
 in Spain, 144
 in the Third Reich, 225
 subjective experience of chemical warfare
 feelings, 94
 metaphors of, 103
 sights, 88
 smells, 90
 sounds, 91
 visions, 88
 T4 Program, 273
 Tappen, Gerhard, 36
 Tappen, Hans, 24
 tear gas
 French development, 20
 German xylol bromide, 24
 modern use, 282
 smell, 90
 use in World War I, 20
 Technical College of Charlottenburg, 26
 Technical Committee for Pest Control, 139
 Technical University of Karlsruhe, 28
 technoscience, 52
 Tesch, Bruno, 140, 275
 Tomka chemical test school, 145
 Treaty of Versailles, 136, 141, 158, 227
 T-Shells, 24, 33
 Unruh, Fritz von, 185
Verein Deutscher Chemiker, 169, 233
Verein ehemalige Angehöriger der Flugabwehr, 169
Volksgasmaske, 237, 241, 243
 civilian purchase and guidelines, 242
 as disciplinary tool, 255
 Wachtel, Curt, 276
 Wahn artillery range, 24, 35, 78
 Washington Arms Conference, 159
 Wehrmacht
 breakdown of gas discipline, 260
 gas mask training, 260
 poison gas training, 228
 Weimar gas films, 198–201
 Willstätter, Richard, 44, 77
 development of gas mask filter, 60
 three-layer filter, 60, 66, 82
 Wirth, Wolfgang, 223
 Woker, Gertrud, 156
 ethno-racial fears, 156
 Women's International League for Peace and Freedom, 149, 156
 World War I
 fears of aerial gassing, 63
 gas casualties, 72
 German surrender, 48
 as a medical experiment, 123
 poisoned oases, 75
 World War I medical records
 gas discipline, 120
 gassing, 110
 Yperite. *See* mustard gas
 Ypres Day, 44
 Zweig, Stefan, 213
 Zyklon A, 139
 Zyklon B, 146, 275
 development, 140