Index

active mode learning, 19
adult education, 52n4, 101, 103–7, 109, 113, 133, 136
adult learning, 104–7, 113
after action review/report (AAR), 19, 89, 99, 162
Agile Combat Employment (ACE), 168
aircraft
   Boeing B-29 Superfortress, 93
   Grumman F6F Hellcat, 93
   Junkers Ju-88, 93
   Lockheed Martin F-22 Raptor, 158
   Lockheed Martin F-35 Lightning II, 38, 93, 158
   Mitsubishi A6M Zeroes, 93
   North American P-51 Mustang, 93
Air Force Institute of Technology, U.S., 5
analysis of competing hypotheses (ACH), 60, 70n21, 77–81, 194, 203
analytic methodology, 53–54, 59, 70, 76
analytic standards, 67–68, 75–76, 78–79
Army Battle Simulation Group, Australia (ABS&), 127
Army Command and General Staff College, U.S., 5, 103, 119
Assassin’s Mace, 121–22
augmented reality, 127, 219
Australian Defence College (ADC), 116, 122, 124–27, 130, 132–38, 233
Australian Defence College Wargaming Society, 116, 134–35
Australian Defence Force (ADF), 116–18, 121, 125, 127–29, 131–34, 136–38
Australian Defence Force Warfare Training Centre (ADFWTC), 127
Australian Joint Professional Military Education Continuum, 121–22
Bartels, Elizabeth, 6, 102, 205, 235
Berger, Gen David H. (USMC), 30, 139, 141–42, 166
Brown, Gen Charles Q. (USAF), 30–31
Brute Krulak Center for Innovation and Future Warfare, 137, 139–40, 144, 150, 152, 157, 162–64, 166–68, 171
Byrd, GySgt Dathan (USMC), 143–45, 149
Career Course, 145, 148
Carrier Strike Group (CSG), 165–66
Center for Army Analysis, 101, 110–11
Central Command (CENTCOM), 34
China, 151, 163–64, 221, 227
Clancy, Tom, 165
cognitive collaboration, 60, 76
cognitive diversity, 68–74
Cold War, 177, 184, 189, 218, 220–21
College of Enlisted Military Education (CEME), 142–49
Combat Simulation Lab, West Point, 48
INDEX

combat snow globe, 42–43, 46–47, 49
Command, 163–67, 234
Command and Staff College (CSC), MCU, 107, 155–56
command, control, communications, computers, cyber, intelligence, surveillance, and reconnaissance (C5ISR), 81, 151
Commandant’s Planning Guidance (CPG), 30, 139, 141, 144, 149, 151, 156, 166–67, 170–71
commercial off-the-shelf (COTS), 83, 110, 160, 164, 167
competence model, 28
competencies, wargaming, 15–16, 20, 22–29, 231
computational collaboration, 59–63, 76
computational simulation, 199, 201–2, 204, 207
Connections Wargaming Conference, 6–7, 9, 10n3, 13–14, 112, II3n45, 136, 145
constraints, limitations, and assumptions (CLA), 183–85, 187
counterfactual, 68, 107, 195, 199, 203, 207, 213–14
COVID-19, II3n45, 164, 169
Critical Thinking and Structured Analysis (CTSA), 54, 57, 60, 62–63, 74–75, 77, 80–81, 86–87
culture, Service, 16–20, 33–34, 38, 40, 43, 46, 49, 61, 66, 118, 128, 133, 171–72
Curry, John, 36, 145
Data Collection and Management Plan (DCMP), 183
Defense Advanced Research Projects Agency (DARPA), 169
design(er), wargame, 4, 27, 29, 101, 158, 231, 233
diplomacy, information, military, and economic (DIME), 219
DOD Board on Diversity and Inclusion, 39
Education Command (EDCOM), 139, 141–42, 155, 162, 171–72
end-of-course exercises (EOCX), 48
Expeditionary Advanced Base Operations (EABO), 163–64, 166–67
Expeditionary Warfare School (EWS), MCU, 149–55, 166–67
experiential learning theory (ELT), 40, 63, 67, 69–72, 104–7, 109, IIIn58, 113, 129, 132, 179, 181, 228, 232. See also Kolb, David A.
experimental methods, 200
experimental testing, 62
federally funded research and development center (FFRDC), 6, 101, 228
fiction intelligence (FICINT), 212
fight clubs, 17
Five-Factor Model, 69. See also Myers-Briggs.
Fleet Marine Force (FMF), 140, 142–43, 150, 152, 171–72
FMF: INDOPACOM, 152–54, 171
fog, 64–66, 151, 197
Force Design 2030, 170
friction, 64–65, 191, 193, 197
general military intelligence (GMI), 61, 74
Gray, Gen Alfred M. (USMC), 144, 150
INDEX

Georgetown University, 5, 18, 107, 112, 152, 234
Georgetown University Wargaming Society, 113, 137
Gibbs, Graham, 104
Global Thunder, 217, 218n6
great power conflict (GPC), 53, 205

historical wargaming, 107–8, 156
hobby wargames, 62–63, 83, 100, 110–13
human centered approach, 44, 47–49
human domain, 47–49
hypotheses, 53–54, 59–64, 70n21, 77–78, 80–81, 86, 88, 194–95, 200, 203, 206, 214
inclusive education, 114, 133
indications and warnings (I&W), 59, 80, 96
indoctrination, 43, 67
Indo-Pacific Command (INDOPACOM), 34
InfoChess, 169–70
Innovation Summit, 168
Intelligence Community (IC), 53, 74, 76–77, 232
Intelligence Community Advanced Analysis Program (ICAAP), 74
Intelligence Community Directive (ICD) 203, “Analytic Standards,” 76, 78–79
Joint Chiefs of Staff, 16, 31, 35, 45, 49, 85, 221
Joint Military Intelligence Training Center, DIA (JMITC), 60
Joint Planning, Joint Publication 5-0, 85, 180, 191
Joint Professional Military Education (JPME), 136, 138
Joint Professional Military Education and Training (JPMET), 121
Joint Task Force (JTF), 66, 163

key assumptions checks (KAC), 60, 77–79, 81
Kingfish ACE, 167–68
King’s College London Wargaming Network, 113, 236
Kolb, David A., 69–70, 104–5, 109, 111
Kolb model, 109
Kriegsspiel, 4, 100, 115, 117–18, 134, 177
Krulak, Gen Charles C. (USMC), 140, 144

Lasgah Pol, 146–49
learning spiral, 54–55
learning styles, 70n22
live-virtual-constructive (LVC), 128

Mabus, Raymond E., 30
Magdeburg Wargaming Club, 134
Marine Air-Ground Task Force (MAGTF), 149–50, 155
Marine Corps Gazette, 140
Marine Corps Intelligence Activity, 152
Marine Corps Order 1500.55, 140–41
Marine Corps Planning Process (MCP), 143, 161, 180, 190–91
Marine Corps University (MCU), 5, 139, 150, 154, 162–63, 168, 171, 234
Marine Doom, 141–42
Marine Expeditionary Force (MEF), 157–59
INDEX

Marine Expeditionary Unit (MEU), 166, 171
Marine Littoral Regiment (MLR), 151, 154
matrix game, 145, 149
Mechanical Turk (MTurk), 201
methodology, 53–56, 59–61, 70, 72–73, 76, 82, 87, 180, 203, 205, 207, 235
Military Operations Research Society (MORS), 103, 112
missiles
antiship missile (ASM), 158, 165
Tomahawk Land Attack Missile, 158
YJ-62 antiship cruise missile, 158
modeling, 25, 37, 53–56, 61–62, 82, 87
modeling and simulation (M&S), 53, 56, 61–63
Mullen III, MajGen William F. (USMC), 163
multidomain operations, 43–46
multiple intelligences, 70–71
Myers-Briggs Type Indicator (MBTI), 69
National Defense Authorization Act, 272
National Defense University, 5
Naval Academy, U.S. (USNA), 47, 107, 171, 232
Naval Historical Wargaming Laboratory (NHWL), 47
Naval Reserve Officer Training Corps (NROTC), 171
Naval War College, U.S. (NWC), 5, 51, 62, 64–67, 85, 119, 137, 173, 179
neurodevelopmental systems, 70–71
NextWar wargame series, 169
North Atlantic Treaty Organization (NATO), 119, 126, 186–87
NPS Mobile Education Team (MET), 175, 187–88
NPS Wargaming Center, 174
nuclear wargaming, 215–29
Office of the Director of National Intelligence (ODNI), 75, 79
Office of Naval Intelligence (ONI), 51, 59, 67, 74–75, 83, 232. See also SimBAT.
on-the-job training, 10, 100–14, 233
Operation Northern Eclipse, 46
operational plan (OPLAN), 64
operations order (OPORD), 62, 64, 81
operations research (OR), 12, 13n6, 54n7, 61, 127, 174, 177, 180–81, 188
Pacific Challenge III, 157–61
Pedagogy, 12, 40, 51–52, 63, 65–74, 123, 125, 130, 180, 232
People’s Liberation Army Navy Marine Corps (PLANMC), 151, 154
Perla, Peter P., 3, 193, 200
Piaget, Jean, 68–70
Pierce, LtCol Troy (USAF), 167–68
pipeline, precommissioning, 30–50
precommissioning education, wargaming in, 30–50, 231, 237
Price, Tim, 145
professional military education (PME), 5, 8, 16–17, 31–35, 37, 39, 41, 44–45, 109, 115, 117, 120–39, 142, 144, 150, 152, 155, 157, 172, 189, 226, 228, 232–33, 237
Project on Nuclear Gaming (PoNG), 204
PROTEUS (Prototype Resilient Operations Testbed for Expeditionary Urban Operations), 169
Proud Prophet, 218

258
Rapid Prototyping Game, 110
Reagan, Ronald W., 218
Red Storm Rising, 165. See also Clancy, Tom.
Reserve Officers’ Training Corps (ROTC), 32
Retention, 66–67
roles, wargame, 20–29, 38, 80, 87–89, 94, 98–99, 231
Russia, 65, 221, 227
School of Advanced Warfighting (SAW), MCU, 155–57, 160, 162–64
scientific and technical intelligence (S&TI), 61
Sea Dragon wargaming tournament, 168–70
Simulation-Based Analysis and Training (SimBAT), 51–100
SimBAT Analysis (SimBAT-A), 53, 56
SimBAT Training (SimBAT-T), 53–57
simulation studies, 178
Singapore Sling, 160–62
Small Unit Leadership Evaluation (SULE), 143
social science, 193–214, 236
Soviet Union, 90, 165, 218
sponsor proposal agreement, 180, 182, 184–87
sponsor, wargame, 4, 135–36, 173–92, 231
Strategic Arms Reduction Treaty (START), 227
strategic thinking T, 224–25
structured analytic techniques (SATs), 60, 74–79
Surface Action Group (SAG), 163
Tabletop Simulator, 10, 154, 155n23
tactical decision games (TDGs), 5, 144
TACWAR, 140, 234
TECOM Warfighting Society, 163–65
The Operational Art of War IV (TOAW IV), 157–61, 234
Torstendahl, Rolf, 14
Training and Education Command (TECOM), 156, 163–65
Training Information Bulletin 52, 126
Twilight Struggle, 122, 130
USS Nimitz (CVN 68), 165–66
Van Riper, LtGen Paul K. (USMC), 144
virtual reality, 203, 219
von Reisswitz, Georg Leopold, 115. See also Kriegsspiel.
Wargaming Community of Practice, 103, 112–13
wargaming conferences, 6, 9, 13, 136
Wargaming Incentive Fund, 101
Warfighting, Marine Corps Doctrinal Publication 1 (MCDP 1), 143, 147–48
Wargaming Master Plan, 139, 141–42
Wei-Hai, 100
Wells, H. G., 4
Western Approaches Tactical Unit (UK), 4
Western, educated, industrialized, rich, and democratic (WEIRD), 209
Wilensky, Harold L., 10, 13
Work, Robert O., 176, 207