

INDEX

- actor-network theory (ANT), 22
 Afanasievo culture, 33, 35, 41, 52–60, 58*f*, 146
 agency, 15
 Ahatelashan, Qinghai, 195, 198
 Altai, 5, 35
 Altai Mountains, 12, 49–50
 Amazons, 16
 Amu-Darya, 41
 Anatolian-Iranian area, 41
Ancient Bamboo Annals, The, 188
 Andronovo culture, 20, 33, 41, 49–50, 57, 68, 146, 171, 175
 Animal Style, 16
 Ansai, Shaanxi, 163
 Anthony, D., 49
 Anxi, Gansu, 211
 Anyang, Henan, 131, 137, 176
 Anyang-style bronze vessels, 132–133, 135
 Appadurai, A., 40
 Aral Sea, 46*f*
 artifacts
 classificatory, 26–29
 as cultural documents, 30
 Inner Asian Frontier, 12–34
 materialization of identity in, 21–23
 overview, 4
 role of, 14
 typologies of, 39
 visual display, 26
 Assyrians, 171
 awals, 59

 Ba, 121, 142
 Baicaopo, 173
 Baifu tombs, Beijing, 91–95, 92*f*
 bronze weapons and ornaments, 92–93, 122, 139–140
 cultural codes, 120
 dating of, 91
 location of, 91
 martial identities of the interred in, 93
 mortuary features, 92–94, 119
 social identities of the interred in, 95
 Baikal area, Siberia, 90
 Baitag culture, 57
Bamboo Annals, The, 188
 Bancun, Shaanxi, 157
 Bangjun, Tianjin, 83

 Baode, Shanxi, 131, 134
 Baoji, Shaanxi, 149–150, 168, 183, 217, 225–226
 Baoshan, Shaanxi, 174
 Baosi, 188
 barbarians, 27
 Bayankhongor aimag, 57, 58*f*
 Bayan-Ulgii aimag, 52–53, 53*f*, 56, 58*f*
 Bayan-Ulgo aimag, 53
 beads
 agate, 47, 125, 137, 144, 209
 bone, 192–194
 bronze, 201
 conjoined, 103
 connected, 98, 106, 120, 224
 of semiprecious stones, 57
 stone, 137, 144, 222
 turquoise, 47, 81, 83, 86, 100, 120, 125, 133, 137, 144
bei cup, 152, 207
 Beidong, Liaoning, 101
beifang, 1, 12, 216
 Beiliu, Shanxi, 43
 Beiluo River, 149
 Beishan, Gansu, 149
 bells
 with clappers, 166
 double, 135
 jingle, 135–136, 175, 207, 209
 ring, 193, 201
 tinkling, 207
 tiny, 155, 166, 198
bi (*bishou* dagger), 49, 163
 Bi lineage, 143–144, 225
bi spatula, 128
 Bigong Gao, 143, 225
 Bindi, 150
 Bing lineage, 131
 Bingxin, 177–178
 Binxian, Shaanxi, 149–150, 156–158
 bi-valve stone molds, 47, 65
bo bowl, 85, 102, 128, 191, 197
 Bogd sum, 57, 59
 Boluochi, Liaoning, 98
Book of Poetry, The, 178
 borderlands, 24
 Boshi, 188
 boundary sets, 24

- bow-shaped objects, 133, 137, 144, 160
 brass artifacts, 41
 Bronze Age, 14, 39
 bronze artifacts, 14, 29, 31, 42–43, 47–49, 48*f*, 56*f*, 61–63, 62*f*, 68–70, 72–75, 105, 108, 114, 121–122, 160, 175
 bronze weapons and ornaments, 89–91, 90*f*, 108–114, 126, 128, 129*f*, 137–140
 Baifu tombs, 92–93, 122, 139–140
 Heidouzui, Shaanxi, 161, 198
 Heidouzui tombs, 162*f*
 Kayue culture, 195*f*, 196–200, 197*f*
 Lijiaya culture, 128, 129*f*
 Nianzipo, Shaanxi, 155*f*
 Northeastern region, 138–140
 Nuomohong culture, 203–204, 203*f*
 Shajing culture, 206*f*, 208*f*, 209
 Shang, 222
 Shanma culture, 211–213, 212*f*
 Siwa culture, 173–175
 Upper Xiajiadian culture, 108–114, 109*f*–113*f*
 Xicha culture, 126
 Yan Mountains, 89–91, 90*f*
 Zhou dynasty, 222
bu container, 100, 102, 135, 152, 166
 Bulgan sum, 53–54, 55*f*, 57, 58*f*, 59
 Buqi *gui*, 187–188
 burials
 Erlitou culture, 46
 Houqianyi, 81*t*, 85–86, 106
 Huoshaogou culture, 68
 Kayue culture, 200–201
 Lijiaya culture, 159–160
 Liujia culture, 166–168
 Lower Xiajiadian culture, 22, 64–65
 Qijia culture, 45–46
 Shajing culture, 207–209
 Shang, 87
 Upper Xiajiadian culture, 22
 Xicha culture, 125
 Zhou dynasty, 87
 Buryatia, 65, 91
 buttons, 59
 Caijiafen, Hebei, 80
 Caojiayuan, Shanxi, 138
 capital-style bronze vessels, 100, 103, 114–116, 115*f*–116*f*
 Caspian Sea, 52
 Caucasus, 40–41
 Celts, 26
 Central Plain of China, 5
 bronze artifacts in, 43
 cultural trajectory in, 69
 Erlitou culture, 37–38
 state formation in, 38
 state-level society in, 27
 Central region, 144–145. *See also* Inner Asian Frontier
 Chaiwangang, Gansu, 208
 Chang, K.C., 27, 39
 Changping, Beijing, 83, 89, 186
 Changwu, Shaanxi, 150
 Changzhi Basin, 131
 Chao River, 76, 97
 Chaobai River Valley, 75, 80, 83, 85, 87, 224
 Chaodaogou, Hebei, 89–91, 119
 Chaoyang, Liaoning, 98
 chariots/chariot fittings, 135–136, 188
 Chemurchek culture, 37, 52–60, 54*f*–55*f*, 58*f*
 Chemurchek group, 43
 Cheng (King of Zhou), 180
 Cheng lineage, 143
 Chengde, Hebei, 97
 Chenggenying, Hebei, 97
 Chenggu, Shaanxi, 90, 174
 Chenshantou, Hebei, 81*t*, 85
 Chermurchek group, 43
 Chernykh, Evgenii, 20, 41, 52, 171
 Chifeng International Archaeological Research Project, 31
 Chifeng Zone, 63
 Childe, V. Gordon, 38–39
chong, 174
 Chongxin, Gansu, 173, 198
 Chuan, Toshihiro, 100
 Chunhuaw, Shaanxi, 149, 156–158, 160, 163
 Cohen, A.P., 26
Collected Annotations of the Three Schools of Poems, 187
 Comanche nation, 28–29
 Confucianism, 16
 contact zones, 23–26, 29
 continuum of boundary dynamics, 24
 copper artifacts, 44, 67
 core-periphery model, 39, 74
 cowries, 136–137
 cultural patterning, 39–40, 59
 Dabanshan Mountains, Qinghai, 189
 Dadianzi, Inner Mongolia, 63
 dagger-axes, 62*f*, 90, 93, 128, 133, 160–161, 163, 166, 173–174, 181, 185
 daggers, 108–114, 122, 173–174
 Dahekou, Shanxi, 142
 Dahuazhongzhuang, Qinghai, 200–201, 204
 Dajing, Inner Mongolia, 105, 106, 118, 120
 Daling River Valley
 individualscapes in, 222
 Kazuo bronze caches in, 102
 Weiyngzi culture in, 98–104
 Weiyngzi tombs in, 98–101
 Dalitaliha, Qinghai, 204, 222
 Danfu, 179–180
danglu horse frontlets, 101
 Daohugou, Liaoning, 99
 Dapaozi, Inner Mongolia, 106
 Dasikongcun, Henan, 213
 Datong, Qinghai, 137
 Datuotou culture, 76, 83, 87, 220

- Dawenkou, Shandong, 66
 Daxifenggou, Ningxia, 199
 Di, 179
 diagnostic feature(s), 18, 21, 79, 98, 103, 106, 108, 120, 122, 217
 diagonally handled *dou*, 192
 DiCosmo, Nicola, 26
ding, 82, 87–89, 94, 96, 102, 104, 114–115, 119, 132, 143, 152–153, 163, 174, 176, 183, 186–188, 223, 226
 Dinggong, 141
 domesticated animals, 63
 Donggangezhuang burial, 811
 Donggoudaoxia, Hebei, 97
 Donghuishan, Hebei, 47
 Dongjiatai culture, 209
 Dongkangezhuang, Hebei, 87
 Dongnangou, Hebei, 97
 Dongwanggangtai, Liaoning, 98
dou, 104, 106, 116–117, 128, 133, 152, 157, 168, 207
 Duanjing, Shaanxi
 bronze vessels, 159
 contact with Lijiaya culture, 159–160
 excavated materials from, 149
 Phase II remains, 158–160
 pottery, 158–159
 regionscapes, 223
 tombs, 158
 Duke of Jiang, 179
 Duke of Songxiang, 178
 Duke of Wu, 188
 Duke of Zhou, 179
 Dulan, Qinghai, 190, 202
 Duoyou *ding*, 187–188
 Dzungaria, 55

 early Bronze Age, 5
 early Yangshao, 21
 earrings, 59, 67, 83, 87, 133
 Eastern Hehuang region, 191–194
 Eastern Inner Mongolia, 63–66
 Ednebaatar, D., 20
 Egypt, 26
 Elunino culture, 52–60
 Emperor Qinshihuang, 163
 Epimakov, A., 20
 Erlangpo, Shaanxi, 133
 Erligang culture, 51, 63, 165, 196
 Erlitou, Henan, 46, 51, 61, 69
 Erlitou culture, 20, 37–38, 46, 51, 60–61, 69, 165
 Ershijiazhi, Liaoning, 98
 Eurasia, 20, 39, 41, 44, 214, 219

fang, 74
fangding, 29
 Fangshan, Beijing, 79, 83
fangyi wine vessels, 143
 Fen River, 121, 135, 185
 Feng lineage, 180

 Fengjiafu, Liaoning, 98
 Fengning, Hebei, 97
 frontiers, 23–26, 29
fu axes, 122, 126, 174
fu caldron, 95–96, 122
 Fufeng, Shaanxi, 164
 Fuhao, 152, 160, 177
 Fushan, Shanxi, 135, 141
 Fuxian, Shaanxi, 163

 Galbagiin, 56*f*, 59
 Gamatai, Qinghai, 44, 83
 Ganguya, Gansu, 46
 Ganquan, Shaanxi, 163
 Gansu, 5, 9, 12, 219–221
 bronze artifacts, 48*f*, 67–68
 metal production in, 20, 51
 technoscapes, 32, 44–50
 Gansu Corridor, 14, 44, 68, 214
ganzhi, 153, 174
 Gaohong, Shaanxi, 129–130, 138–139
 Gaojiacun, Shaanxi, 164
 Gaojiadong, Liaoning, 98–99
ge dagger-axes, 62–63, 62*f*, 90, 160–161, 163, 166, 169, 173–174, 181, 185
 Ge lineage, 143
 Gobi Altai, 57
 Gongfang, 130–131, 163
 Grand Duke of Jiang, 179
 Great Bend of the Yellow River, 14, 16, 18, 50–51
 Greeks, 16
 group identities, 7–10
gu wine vessel, 101, 132, 143, 163, 223
guan jar, 106, 116, 122, 128, 130, 152, 157–158, 160, 165, 168–169, 171, 181, 191–192, 195, 199, 207, 211
 Guandongche, Inner Mongolia, 105–106
 Guanting Basin, Qinghai, 191
 Guanzhong, 150
 Guanzhong Plain, 121, 149, 165
 Guanzhuang, Shaanxi, 149
gui, 80, 85, 87–89, 94, 101, 114–115, 119, 128–130, 132, 143, 152, 157–158, 163, 174, 176, 183, 188, 223, 226
gui tureen, 152
Guifang, 129, 142, 163
 Guinan, Qinghai, 44, 45*f*
 Gulugou, Liaoning, 101
 Guo Suxin, 17
 Guoji Zibai *pan*, 187–188
Guoyu, 179
 Guzhu, 77–78

 Haidaoyingzi, Liaoning, 102
 Hämmäläinen, P., 28–29
 Hami, Xinjiang, 83
 Han Dynasty, 27, 176
 Han Jiagu, 76
 Hangzhong, Shaanxi, 171
Hanshu, 187

- he* wine vessel, 82, 115, 197
 Hebei, 12, 63–64, 72, 90, 94, 98, 122, 186
 Hehuang Valley, Qinghai, 9, 189
 Heidouzui, Shaanxi, 156–157, 160–164, 176
 bronze vessels, 160–161, 163–164, 164f
 bronze weapons and ornaments, 161, 162f, 198, 223
 tombs, 149
 Heilongjiang, 12
 Hejiaying, Hebei, 89
 Helian Mountains, 190
 Henan Longshan sites, 60
 Hengbei, Shanxi, 190
 Hengshui, Shanxi, 142
 Herman, Bernard, 15
 Herodotus, 16
 Heshanggou, Liaoning, 99, 103
 Heshui, Gansu, 168, 173
 Hetao region, 198
 Hexi Corridor, 9, 12, 204–214
 burial customs, 213
 characteristic features of, 213–214
 cultures after the Siba, 214
 pastoral economy, 213–214
 Shajing culture, 204–211
 Shanma culture, 211–214
 Hittites, 171
 Hongshan culture, 46, 63
 horse ornaments, 108–114, 109f–113f, 135–136
 Houfen, Liaoning, 102
 Houji, 179
 Houlanjiaogou, Shanxi, 133, 135, 137
 Houqianyi burials, Hebei, 81f, 85–86, 106
 Hourenjiagou, Shaanxi, 133
 Houtaizi, Hebei, 97
 Hu Houxuan, 177
 Hu lineage, 143, 185
hu pot, 94, 102, 106, 115, 143, 160
 Hu Qianying, 150
 Hu *you*, 185
 Huahai, Gansu, 190, 211
 Huai surname, 142
 Huangjiazhai, Qinghai, 197f, 199
 Huangling, 163
 Huangshui River Valley, 189, 191, 195–196, 200
 Huangzhong, Qinghai, 194
 Huoshaogou culture
 bronze artifacts, 46–47, 48f, 67, 211
 burial customs, 68
 metal artifacts, 43
 pottery, 211
 individualscapes, 33, 220–223
 definition of, 221
 fluidity of, 225–226
 metal ornaments, 222
 social changes, 222–223
 Inner Asian Frontier
 Area I, 44–50
 Area IIa, 52–60
 Area IIb, 60–63
 Area III (Northeastern region), 63–66, 75–121
 Area IV (Eastern region), 66
 artifacts, 12–34
 classificatory, 26–29
 as markers of contact, 21–23
 Central region, 144–145
 contact zones, 23–26, 29
 cultural crossroads in, 216–219
 description of, 12
 environmental zones, 17
 frontiers, 23–26
 individualscapes, 220–223
 influences/contributions from outside the core, 28
 lineagescapes, 224–225
 map of, 13f, 36f
 mental boundaries, 12–29
 metal artifacts in, 35–71
 metallurgy, 217–218
 North Central region, 72, 121–144
 Northeastern region, 63–66, 75–121
 peoples, 25, 27
 period
 2000 to 1000 BCE, 63
 4000 BCE to 300 CE, 202–204
 c. 1000 to mid-ninth century BCE, 106–107
 c. 1300 to 1000 BCE, 150–156
 c. 1400 to 1100 BCE, 127–130
 c. 1400 to 700 BCE, 168–176
 c. 1500 to 1000 BCE, 164–168
 c. 1500 to eighth century BCE, 146–214
 c. 1600 to 500 BCE, 194–202
 c. 1600 to c. 700 BCE, 22
 c. 1700 to 600 BCE, 191–194
 c. 2500 to 1500 BCE, 44–50
 c. 2800 to 1500 BCE, 50–52
 c. 3000 to 1500 BCE, 35–71
 c. mid-ninth to eighth century BCE, 107–108
 late fourth millennium BCE, 27
 late fourth to eighth century BC, 216–217
 late fourth to second millennium BC, 52–60
 late second millennium BCE, 157–164
 late second to early first millennium BCE, 72–145
 regionscapes, 223–224
 technoscapes, 35–71, 220
 Eastern Inner Mongolia, 63–66
 Gansu, 44–50
 Northern Hebei, 63–66
 Shaanxi, 60–63
 Shandong Peninsula, 66
 Shanxi, 60–63
 Western and Southern Mongolia, 52–60
 Western Liaoning, 63–66
 Xinjiang, 44–50
 Western region, 146–214
 Inner Mongolia, 1, 5, 8, 30, 32, 46, 51, 62, 163, 190, 222, 224, 227

- eastern, 37, 63
 south central, 65, 79, 122, 128, 144, 221, 226
 southeastern, 72, 75–77, 97, 103, 120, 223–225
 southern, 104–118, 121, 209
 southwestern, 45
 western, 128, 190, 211
 interaction spheres, 27, 37, 39
 Iron Age, 17
 Irtish River, 49
- Ji County, 79, 83
 Ji lineage, 10, 94, 142–143, 179, 183
 Ji polity, 80
ji spear, 93
 Ji surname, 143, 179
*ji*a wine vessel, 101, 132–133, 223
 Jiang surname, 143, 176–180
 Jiangrong, 156, 185
 Jiangzhai, Shaanxi, 43, 51–52, 60–61
 Jianping, Liaoning, 97, 102
 Jiaozhou, Shandong, 66
 Jijiapo, Shaanxi, 157
 Jilin, 12
 Jin, 79–80, 133, 141, 143–144
 Jinchang, Gansu, 190, 205
 Jinchuanhe River, 190
 Jing, Jin and Tang region, 79–80, 223–225
 Jing lineage, 180
 Jing River valley, 9–10, 149–164
 Duanjing phase II, 158–160
 Heidouzui, 160–164
 lower, 156–157
 Nianzipo site, 150–156
 regionscapes, 223
 rise of Zhou in, 225
 Sunjia culture, 157–158
 Western Guanzhong, 150
 as Zhou's ancestral homeland, 173
 Jingdang, Shaanxi, 165
 Jingji, 183
 Jingjiacun, Shanxi, 131, 135, 141
 jingle-headed daggers, 90, 98, 114, 122, 137–138, 164, 223
 jingle-headed spatula, 98
 Jin-Shaan Plateau
 Anyang-style bronze vessels, 132–133
 bronze findings in, 130–134
 bronze horses, 164
 ethnic affiliations of bronze owners, 131
 foundries, 198
 geography of, 121
 identity construction in, 144
 Jixian tombs, 126
 Linzheyu tomb, 138
 northern-frontier-style bronzes, 90–91, 133–134, 134f
 regionscapes, 223, 225
 Shilou-Suide type bronzes, 159
 Jishan Mountains, 189
 Jiuquan, Gansu, 211
- Jiuzhan, Gansu, 173
 Jixian, Shanxi, 83, 92, 126, 138
jue wine vessel, 82, 101, 132, 143, 160, 223
 Jundushan, Beijing, 97
 Juyong Pass, 94
- Kanding (King of Shang), 178
 Kang (King of Western Zhou), 179
 Kangding, 178
 Kanggong, 115
 Karasuk culture, 70, 91
 Karlgren, B., 41
 Kayue culture, 194–202
 bronze weapons and ornaments, 195f, 196–200, 197f
 burial customs, 200–201
 dating of, 194–195
 in Hehuang region and Qaidam Basin, 189, 204
 individualscapes, 222
 means of livelihood, 196
 Panjialiang cemetery, 161
 pottery, 195–196
- Kazakhstan, 5, 12, 17, 27, 32, 40, 50, 190
 Kazuo, Liaoning, 78, 102
 Kearney, R., 26
 Keltaninar culture, 52
 Keshiketeng, Inner Mongolia, 106
 Kexingzhuang II culture, 46
 Kheviin, 59
 Khovd aimag, 53, 54f–55f, 56–57, 56f, 58f, 59
 Khovsgol aimag, 59
 King of Zhao, 28
 Kingston (Jamaica), 28
 Kirghizia, 50
 knives, 27, 30–32, 37, 44, 47, 49, 56, 59, 90f
 Korykova, L., 20
 Kost, Catrin, 19
 Kovalev, A., 20, 56
kui dragon motif, 90, 111, 118
 Kui surname, 142
 Kujinggou, Ningxia, 199
 Kunduyingzi, Liaoning, 102
 Kurgak, 59
 kurgans, 52–53
- Langwozikeng, Ningxia, 213
 Lanqiao, Gansu, 168–169
 Laoha River Valley, 76–77, 97, 104–105, 107–108, 124, 224
 Laoniupo, Shaanxi, 124
 late Neolithic Longshan culture, 5, 37–38
 Lattimore, Owen, 16
 Ledu, Qinghai, 199
lei wine vessel, 82, 102, 115, 133, 163
 Li (King of Western Zhou), 179
li ding, 168
 Li Shuicheng, 20
li tripods, 85, 122, 152, 196
li vessel, 80, 82, 102, 106, 107, 118, 122, 128, 157–158, 160, 181, 207

- Liaoning, 1, 12, 32, 46, 63, 64*f*, 72, 75, 98, 122, 190, 221
- Liaoxi, 75–77, 98–100, 102, 120
- lifeways, 1, 3, 9, 14, 16, 18, 57, 66, 193, 196, 219, 227
- Lijiata, Shaanxi, 127
- Lijiaya culture, 121, 127–130
 agriculture, 127–128
 animal husbandry in, 128
 bronze weapons, 128, 129*f*
 burial customs, 159–160
 characters and divination signs, 128–129
 pottery, 128
 sites, 127
- Lin, Yun, 18, 198
- Linduff, Katheryn, 41, 50, 164
- lineagescapes, 33, 224–226
- Linfen Basin, 140–144
- Ling lineage, 180
- Lingfen Basin, 121
- Linghe type, 103, 120
- Lingshi, Shanxi, 141–142
- Lingtai, Gansu, 173–174, 185, 213
- Linjiacun, Shaanxi, 167
- Lintan, Gansu, 168
- Lintao, Gansu, 168
- Linxi, Inner Mongolia, 105
- Linzheyu tomb, 134–138
 Anyang-style bronze vessels in, 135
 cultural codes, 120
 eastern orientation of head in, 135
 location of, 134–135
 northern-frontier-style bronzes, 137
 personal ornaments, 137
- Liuhudun, Gansu, 205
- Liujiia culture, 150, 165
 bronze artifacts, 166, 167*f*
 burial assemblages, 166–168
 cultural remains, 164–165
 individualscapes, 222
 metal use, 226
 pottery, 165–166
 stages of, 165–166
- Liujiafen tombs, 80–83, 81*f*, 85
- Liujiiahe, Beijing, 226
- Liulidian, Beijing, 83
- Liulihe, Beijing, 64*f*, 78, 80, 82, 87, 94, 102
- Liulin, Shanxi, 108, 109*f*, 129, 138, 140*f*, 186
- Liupan Mountains, 150
- Liupanshan Mountains, 149, 185, 190
- Liushugou, Hebei, 97
- Loehr, M., 41
- Longshan culture, 50, 66
- Longshan Neolithic, 21
- Longshan Phases (c. 2300 – 1900 BCE), 51
- Longshan pottery, 46
- Longtoushan type, 106–107
- Lower Xiajiadian culture
 agriculture, 64
 burial customs, 22, 64–65
 earrings, 67
 metal artifacts, 63–66
 metallurgy, 220
 in Northeastern region, 76
 pottery, 65
 social organization, 65
 tools, 64
 Weiyingzi culture and, 98, 103
- lu*, 152
- Lü surname, 179
- Lü Zhirong, 128–129
- Luan River Valley tombs, 81*t*, 83–89
 bronze *ding* and *gui* vessels, 87–89
 dating of, 85
 elite tombs, 224
 features, 85–86
 mortuary customs, 86–87
 sacrificial animals in, 85–86
- Luanping, Hebei, 97
- Luanxian, Hebei, 85
- Lüliang Mountains, 121, 141
- Lulong, Hebei, 80, 85
- Luo River, 121, 188
- mace heads, 49, 93, 171
- Machang culture, 44, 195
- Machanggou, Liaoning, 101
- Majiyao, Gansu, 44
- Mashaocun, Hebei, 81*t*, 85
- material culture, 15
- Mei, Jianjun, 20, 50
- Meishan, Henan, 62
- Mellinkoff, R., 26
- Mesopotamia, 26, 39
- metal artifacts, 14–15
 brass, 41
 sites, 36*f*, 37
- metal ornaments, 222
- metallurgy
 diffusionist mode, 42
 emergence of, 38–44
 as by-product of increased social complexity, 39
 in second millennium BCE, 40–41
 spread of, 39–40
- Miaodigou, Henan, 50–51
- microliths, 64
- Minnusinsk, 38, 70, 91
- Minnusinsk Basin, 213
- Minqin, Gansu, 190, 205
- Mixu, 156
- Mogou, Gansu, 171, 173
- Mongolia, 20, 27
 Afanasievo culture, 52–60
 Eastern Inner Mongolia, 63
 Elunino/Chemurchek culture, 52–60
 metal-using sites in, 60
 second millennia BCE sites in, 43

- Mongolian Altai, 55
 Mongolian Plateau, 9
 overview, 2–3
 Mu (King of Western Zhou), 179, 181
 Munkh-Khairkhan culture, 56–57, 56*f*, 58*f*
 Muye, Henan, 180
- Nangoumen, Liaoning, 98
 Nanshan'gen type, 107–108, 110
 Nen River Valley, 107
 Nianzipo, Shaanxi, 149–156
 agricultural tools, 151
 animal bones, 151
 bronze vessels, 152, 153*f*
 bronze weapons, 155*f*
 ceramic vessels, 152
 dwelling sites, 150–151
 individualscapes, 222
 location of, 150–151
 oracle bones, 152, 154*f*
 tombs, 151, 155–156
 written characters and pictographs, 153–155, 154*f*
 Ningcheng, Inner Mongolia, 105, 107, 213
 Ningxia Hui Autonomous Region, 12, 32, 199
 Niuheliang, Liaoning, 63
 Niuquanziliang, Hebei, 97
 Niya, Xinjiang, 199
 nomad triad, 120
 North Central region, 121–144. *See also* Inner Asian
 Frontier
 bronze artifacts in, 72
 bronze-yielding sites in, 123*f*–124*f*
 geography of, 121
 Jin-Shaan Plateau, 130–134
 Lijiaya culture, 127–130
 Linzheyu tomb, 134–138
 map of, 73*f*
 overview, 72
 Xicha culture, 122–127
 Northeastern region, 75–121. *See also* Inner Asian
 Frontier
 bronze artifacts in, 72
 bronze weapons and tools, 138–140
 bronze-yielding burials in, 81*t*, 84*f*
 as contact zone between Central Plain and eastern
 Eurasian steppe, 78
 Daling and Xiaoling River Valley, 98–104
 frontier identity, 138–140
 geography of, 75–76
 identity construction in, 118–121
 interaction with Shang and Zhou powers, 77–78
 Jin, Jing and Tang region, 79–80, 133
 Linfen Basin, 140–144
 Liujiaye tomb, 80–83
 Luan River Valley tombs, 83–89
 map of, 73*f*
 metal artifacts in, 63–66
 overview, 72
 southeastern Inner Mongolia, 104–118
 symbols and identities, 114
 technoscapes, 220
 Upper Chaobai River Valley tombs, 83–89
 Yan mountainous region, 89–97
 Northern Zone Bronze Complex, 18
 Northern Zone/Corridor/Frontier, 12
 northern-frontier-style bronzes, 133–134, 134*f*, 137
 Northwest region, technoscapes, 220
 Novgorodova, E.A., 54
 Nuluerhu Mountains, 77, 109
 Nuomohong culture, Qinghai, 202–204
 bronze weapons, 203–204, 203*f*
 building remains, 202
 dating of, 202
 individualscapes, 222
 means of livelihood, 202
 metallurgy, 222
 pottery, 203
- Ob River, 49
Odes to the Shang, 178
 oracle bones, 77, 128–129, 152, 154*f*, 177
 Ordos, 71
 Ordos bronzes, 16, 18
 ornamentials, 10, 27, 37, 47, 53, 66, 201. *See also* bronze
 weapons and ornaments
- Pamir, 12
pan plate, 102, 114, 133, 142, 187
 Panjialiang, Qinghai, 198, 200–201, 204
 Panlongcheng, Hubei, 8
pao roundel, 106, 136, 160, 169, 171, 175, 209
 Parker, B., 24
 pastoralism, 14, 17, 25, 65, 104, 150, 209, 213–214, 219,
 223
pen basin, 128, 152, 157–158, 168, 196
 penannular earrings, 64–65, 64*f*, 67*f*
 Peng lineage, 225
 Pengbo Cheng, 143
 Pengbo lineage, 143
 Pengzhong lineage, 143
 Pijianggou, Hebei, 97
 Pingquan, Hebei, 97
 Poo, M.-c., 26
 Potts, D., 39, 59
 Pratt, Mary Louise, 23
 proto-Zhou culture, 149–150, 156, 165–166, 168–169, 173,
 176, 185
pu, 82
pu cauldrons, 186
- Qaidam Basin, 9, 189–190, 202–204
 Qi, 179
 Qi lineage, 143
 Qian River, 149
 Qiang, 176–178
 Qiaobei, Shanxi, 136–137, 141

- Qijia culture
 dispersal of, 205
 earrings, 67, 83
 in Hehuang region and Qaidam Basin, 204
 in Jing and Wei River valleys, 149
 knives, 56
 metallurgy, 44–46, 220
 pottery, 171, 174
- Qilian Mountains, 190
- Qin, 69
- Qinghai, 219, 221
- Qinghai–Tibetan Plateau, 189–190
- Qingjian, Shaanxi, 127, 133
- Qinglong, Hebei, 89
- Qingshui, Inner Mongolia, 122
- Qingyang, Gansu, 173
- Qinshishuang (Emperor), 163
- Quanrong, 188
- Queen Shen, 188
- Records of the Grand Historian*, 178
- regionscapes
 between 1300 to 1600 BCE, 223–224
 definition of, 33, 223
 fluidity of, 225–226
- rings, 44–45, 47, 53, 55–57, 59, 64, 67, 89, 97, 108, 122, 138, 152, 158–159, 161, 164, 169, 171, 193, 201, 207–209, 222
- Romans, 26
- Rong, 141–142, 179, 186
- Rongdi, 179
- Rui, 225
- Rui lineage, 143–144
- Rujiazhuang, Shaanxi, 180
- Runzhen, Shaanxi, 149, 156, 160
- Russia, 20, 27
- Sanchuan River, 121
- Sanjiaocheng, Qinghai, 205, 207–208
- Sanlihe, Shandong, 43, 66
- Sanxingdui, Sichuan, 8
- sanzuweng*, 128, 130, 142
- Sayan, 52
- Scott, J.C., 25
- Seima-Turbino culture, 33, 41, 49, 146, 171, 175
- Semireiche, Kazakhstan/Kyrgyzstan, 44
- Shaanxi, 12, 32, 37, 43–44, 46, 50–52, 60–63, 68, 72, 121–122, 127, 131, 133, 146, 149, 156, 158, 160, 163, 165, 180, 186, 190, 219
- Shajing culture, 204–211
 bronze weapons and ornaments, 206f, 208f, 209
 burial customs, 207–209
 craft, 207
 distribution of, 205
 early phase, 205
 individualscapes, 222
 late phase, 205
 pottery, 205–207
 walled settlements, 205
- Shandong, 19, 43, 66, 69
- Shang
 attacks on *Gongfang*, 130
 bronze artifacts, 89
 bronze weapons, 222
 burial practices, 87
 colonization of, 69
 emergence of, 70, 74, 147
 Jing and Wei River valleys, 149
 kings of
 Kanding (1148–1132), 178
 Wending (1116–1106), 178
 Wuding (1200–1189), 77, 130
 Wuyi (1137–1117), 178
 lineages, 225
 metal artifacts, 21
 mortuary customs, 83
 overview, 6–10
 political system, 21
 ritual practices, 152
 Zhou's conquest of, 149, 180
- Shang Dynasty, bronze industry in, 42
- Shangdongcun, Shanxi, 138–139
- Shangxitou, Shaanxi, 157
- Shanghai Pass, 75
- Shanjiatou, Xinghai, 192
- Shanma culture, 211–214
 bronze weapons and ornaments, 211–213, 212f
 distribution of, 205
 individualscapes, 222
 pottery, 211
 sites of, 211
- Shanwanzi, Liaoning, 101
- Shanxi, 5, 12, 32, 60–63, 68, 219
- Shaogong, 78
- Shaoguoyingzi, Liaoning, 122
- shared social fields, 40
- Shelach-Lavi, Gideon, 19, 22, 28–29, 114
- Shell, Colin, 50
- Shen, 179
- Shen (Queen of Zhou), 188
- Shenna, Qinghai, 199
- Shennan, S., 22
- Shichuan River, 121
- Shigushan, Shaanxi, 183–185, 184f
- Shiji*, 179, 188
- Shijing*, 187
- Shilou, Shanxi, 131–133, 138
- Shilou Bronze Group, 132
- Shilou-Suide type bronzes, 131, 156, 158–159, 161, 163
- Shitong *ding*, 186–187
- Shiyang River, 205
- Shizikou, Hebei, 89
- Shuangerdongping, Qinghai, 191, 199
- Shuiquan, Liaoning, 102
- Shuyu (founder of Jin), 141
- Si surname, 143

- Siba culture, 46–47
 bronze artifacts, 83
 dispersal of, 205
 metallurgy, 44, 50, 220
 pottery, 211
 Shanma culture, overlap with, 190
- Siberia, 18, 25, 35, 38, 40–41, 46, 49, 52, 56–57, 68, 70, 83, 90, 113, 137, 146, 190, 199, 201, 213
- Sichuan, 8, 19, 174
- Silk Road, 190
- Sima Qian (historian), 16, 27
- Sishiernian Lai *ding*, 187–188
- Siwa culture, 168–176
 agriculture, 169
 animal husbandry in, 169
 bronze artifacts, 169–171, 170*f*, 172*f*
 bronze weapons, 173–175
 dwelling sites, 169
 early phase, 168
 in Hehuang region and Qaidam Basin, 204
 individualscapes, 222
 Lanqiao type in, 174–175
 late phase, 168
 location of, 168
 pottery, 171–174
 residences, 196
 typical artifacts, 168
 in Wei River Valley, 149
 Zhou's impact on, 173–174
- Siwashan, Gansu, 168
- Smith, Cyril, 38
- social fields, 40, 59
- socketed arrowhead, 122, 159, 203–204
- socketed *fu* axe, 122, 126
- socketed-tanged broad axe, 161
- Southern Mongolia, 5, 52–60
- Southwest Yunnan, 25
- spiral rings, 59
- spoons, 97, 138, 164
- steppe
 animal style, 16
 Eurasian, 146
 European, 40
 peoples, 2, 18
- steppe region, 12–13
- stone circles, 45
- stone kerbed, 53
- Suide, Shaanxi, 127, 131–133, 138, 156, 158–159, 161, 163
- Suide Bronze Group, 132
- Suizhong, Liaoning, 98
- Sunjia, Shaanxi, 149, 157–158
- Sushen, 80, 103
- Syctian triad, 120
- Tagar culture, 70
- Taihang Mountains, 75, 90–92, 94, 101, 119, 131, 135, 138, 140
- Tangshan, Hebei, 64*f*, 75, 83
- Tao River Valley, 168, 173
- Taohuazhuang, Shaanxi, 133
- Taosi, Shanxi, 51, 60
- technoscapes, 35–71, 220
 consequences of, 66–71
 cultural patterning and, 39–40
 defined, 32
 fluidity of, 225–226
 Gansu, 44–50
 metal object types, 59–60
 overview, 4–6, 35
 Shaanxi, 60–63
 Shanxi, 60–63
 shared social fields and, 40
 sites, 36*f*, 37
 Xinjiang, 44–50
- Tevsh culture, 57, 59
- Tian Guangjin, 17
- Tianma–Qucun, Shanxi, 121
- Tianshan, 12
- Tianshui, Gansu, 164
- tombs, dating methods, 85
- Transbaikal, 91, 213
- triangular-blade dagger-axes, 173–174, 181, 185
- triple-socketed knife, 163–164, 185
- trumpet-shaped earrings, 83, 87, 119
- T-shaped aperture socketed *yue* axe, 161
- T-shaped pommels, 111
- Tufang, 131
- Tuhulu, Gansu, 211
- Tylecote, R., 171
- Ulaankhus sum, 53*f*–54*f*
- Ulaistain gol, 59
- Upper Chaobai River Valley tombs, 83–89
 bronze *ding* and *gui* vessels, 87–89
 dating of, 85
 features, 85–86
 mortuary customs, 86–87
- Upper Jing River Valley, 226
- Upper Xiajiadian culture, 104–118
 agriculture, 104
 bronze artifacts, 103, 104–105
 bronze production, 104–105, 120
 bronze weapons and horse ornaments, 108–114, 109*f*–113*f*
 burial patterns, 22
 emergence of, 104–118
 indigenous bronze vessels, 116–118, 117*f*
 Linghe type, 103
 Longtoushan type, 106–107
 Nanshan'gen type, 97, 107–108
 pastoral economy, 104
 pottery, 104
 settlement sites, 97
 in southern Inner Mongolia, 104–118
 Weiyingsi culture and, 77, 98

- Upper Xiajiadian culture (*cont.*)
 Zhou metropolitan-style bronze vessels, 114–116, 115f–116f
- Upper Zhangjiayuan culture, 79–80
- Uverkhanagia aimag, 57
- Volkov, V.V., 54
- Wallerstein, I., 39
- wan bowl, 99f, 152, 207
- Wang, Mingke, 178
- Wang, Xianqian, 187
- Watson, William, 17
- Wei River valley, 9–10, 164–189
 Jiang-surnamed groups, 176–180
 lineage groups during the Western Zhou period, 180–186
 Liujia culture, 164–168
 lower western, 164–168
 Qiang-surnamed groups, 176–180
 Siwa culture, 168–176
 tributaries, 149
 upper, 168–176
 Xianyun, 186–189
- Weichang, Hebei, 89
- Weifang III culture, 76, 79–80, 135
- Weiyangzi culture, 77, 98–101, 100f
- Wells, Peter, 26–27
- Wending (King of Shang), 178
- weng, 128, 157, 168
- Western Gansu and Qinghai region, 189
 borders, 190
 Eastern Hehuang region, 191–194
 geography of, 189–190
 Xindian culture, 191–194
- Western Guanzhong, 150
- Western region, 146–214
 borderlands, 146–147
 bronze-yielding sites in, 148f
 geography of, 146–147
 Hexi Corridor, 204–214
 Huang region, 194–202
 Jing River valley, 149–164
 Kayue culture, 194–202
 Nuomohong culture, 202–204
 Qaidam Basin, 202–204
 Wei River valley, 164–189
 Western Gansu and Qinghai region, 189–214
- Western Zhou
 border area, 149, 173
 early, 100, 102, 143
 emergence of, 176
 end of, 26
 Ji and Jiang alliance, 179
 late, 118
 metal artifacts, 21
 Xianyun as northern enemy of, 186–189
- Wobst, I., 22, 26
- wu, 153
- Wu (King of Western Zhou), 179
- Wuding (King of Shang), 77, 130
- Wuguanqun, Henan, 211
- Wulan, Qihai, 190, 202
- Wusu, Shaanxi, 157
- Wuyi (King of Shang), 178
- Xia dynasty, 25, 141, 179
- Xiajiadian culture, 56
- Xialei, Shaanxi, 157
- Xiameng, Shanxi, 157
- Xiangyangling, Liaoning, 98
- Xianyang, Shaanxi, 149
- Xianyun
 origin of, 186
 use of chariots, 188
 war with Zhou, 186–189
- Xiao (King of Zhou), 187
- Xiaobotaigou, Liaoning, 102
- Xiaochengzi, 101
- Xiaoguanzhuang, Hebei, 64f, 83
- Xiaohandi, Qinghai, 192, 204
- Xiaohe, Xinjiang, 43
- Xiaoheishigou, Inner Mongolia, 107–108, 114, 118
- Xiaohe'nan, Hebei, 89–91, 119, 122
- Xiaoling River Valley, 76, 98–104, 109, 114, 222
- Xiaoshandong, Hebei, 81f, 85, 87–88
- Xiasiwan, Shaanxi, 163
- Xiawuzi, Shaanxi, 186
- Xibozi, Beijing, 89–90, 95–97, 96f
- Xicha culture, 122–127
 bronze production, 122, 144
 bronze weapons, 126
 burial sites, 125
 community, 122
 daggers, 122
 individualscapes, 222
 locus of, 122
 metallurgy, 222
 personal ornaments, 125–126
 stone molds, 125f
- Xie Yaoting, 142
- Xiejiagou, Shaanxi, 133
- Xigang, Gansu, 208f, 209, 210f
- Xijia pan, 197
- Xilamulun River Valley, 104, 224
- Xiliang, 157
- Xiliangjia, Shaanxi, 149, 160
- Xinangou, Hebei, 97
- Xindian culture, 191–194, 209
 agriculture, 191
 bronze ornaments, 193–194, 194f
 dispersal of, 205
 in Hehuang region and Qaidam Basin, 204
 individualscapes, 222
 Jijiachuan type pottery, 191–192
 location of, 191

- metallurgy, 222
- pottery, 191–192
- tombs, 192–193
 - Zhangjiayu type pottery, 192
- Xingcheng, Liaoning, 98
- Xinglong, Hebei, 89
- Xining, Qinghai, 196
- Xinjiang, 219
 - anti-separatist movements in, 5
 - borders, 190
 - copper production in, 50–51
 - Kayue culture, 199
 - metal production in, 5, 20, 43
 - regionscapes, 9
 - technoscapes, 32, 44–50
- Xinzhuang, Shaanxi, 127
- Xiongnu, 16
 - emergence of, 24
 - occupation of Ordos region, 71
- Xiyang, Shaanxi, 160
- Xiyi, 188
- Xu (regional state), 115, 179
- xu* food vessel, 115
- Xuan (King of Zhou), 179, 187–188
- xue* trimmer, 169
- Xueshan, Beijing, 83
- Xuguang, Shaanxi, 83
- Xujianian, Gansu, 173
- Xunyi, Shaanxi, 157
- Xunyu, 179

- Yagshiin khodoo, 54*f*, 59
- Yahoubei, Shaanxi, 157
- Yamnaya, 44
- Yan, 77–78
 - bronze artifacts, 89–90
 - establishment of, 88–89
- Yan Mountains, 89–97
 - Baifu tombs, 91–95
 - Chaoaogou, 89–91
 - northern slopes, 97–98
 - weapons and tools, 89–91, 90*f*
 - Xiaohe'nan, 89–91
 - Xibozi cache, 95–97
- yan* steamer, 82, 102, 104, 122, 128, 132, 152, 157–158, 160, 163
- Yanbo, 103
- Yanbulaq, Xinjiang, 199
- Yang Jinhua, 164
- Yangfengling, Shaanxi, 157
- Yangguan, Gansu, 190
- Yanghe, Liaoning, 98
- Yanglang, Ningxia, 175
- Yangshao culture, 43, 46, 50
- Yanjiagou, Shanxi, 164*f*
- Yanshan Mountains, 198
- Yantoucun, Shaanxi, 133
- Yeer, Gansu, 168

- Yellow River Basin
 - cultures outside of, 27
 - emergence of dynastic centers in, 22
 - political expansion from, 43
 - transmission of metallurgy in, 20
- Yenisei River, 49
- Yi, 89
- Yi (King of Western Zhou), 187
- yi* water vessel, 65, 115
- Yigong, 143
- Yih (King of Western Zhou), 115, 179, 187
- Yimu*, 178
- Yinxu culture, 130, 161
- Yiqiang, 178
- Yongchang, Gansu, 190, 205
- Yongding River, 79–80
- You (King of Zhou), 188
- you* wine vessel, 82, 102, 143, 163
- Yu (King of Western Zhou), 179
- yu* basin, 102, 157, 168
- Yu lineage, 180–183
 - adoption of ritual culture, 225
 - bronze vessels, 181–183
 - burial artifacts, 181, 182*f*
 - clothing and hair ornaments, 181
 - material culture, 185
- yue* axes, 89, 128, 133, 163
- Yueshi culture, 66–68
- Yuhuangmiao culture, 97, 120
- Yujiawan, Gansu, 173, 198
- Yulin, Shaanxi, 163
- Yumen, Gansu, 211
- Yuncheng Basin, Shaanxi, 51
- Yunnan, southwest, 25
- Yuquan, Gansu, 167

- Zagros Mountains, 41
- Zaolin, Shaanxi, 157
- Zavkhan aimag, 56*f*, 57, 58*f*
- Ze lineage, 180
- Zhang Tianen, 156
- Zhangjiagua, Shaanxi, 133
- Zhangjiayu type, 192
- Zhangjiayuan culture, 76, 79, 81*f*, 83, 85, 87, 103, 106
- Zhangjiazui, Gansu, 222
- Zhangying, Beijing, 83
- zhaofang*, 77
- Zhaojiashuimo, Gansu, 211
- Zhaojiashuang, Shaanxi, 149, 157, 160, 163
- Zhaolin, 157
- Zhengjiapo culture, 157
- Zhengkaofu, 178
- Zhenjiangying, Beijing, 79–80, 83, 87
- Zhenjiangying–Tazhao (ZJY–TZ), 79
- zhi* wine vessel, 143
- Zhibushan, 63
- Zhidan, Shaanxi, 163

- Zhifangtou, Shaanxi, 164, 180–181
 Zhongtiao Mountain, 51
 Zhongwei, Ningxia, 199
 Zhou dynasty, 217–218
 alliances, 180
 bronze weapons, 222
 burial practices, 87
 capital-style bronze vessels, 114–116, 115f–116f
 colonization of, 69
 conquest of Shang, 149, 180
 emergence of, 70, 74, 147
 establishment of Jin as regional state, 121, 141
 establishment of Yan state, 78
 expansion into Central region, 144
 homeland of, 149, 173
 kings of
 Wu (1046–1043), 179
 Cheng (1042/35–1006), 180
 Kang (1005/3–978), 179
 Mu (965–918), 181
 Yih (899/897–873), 115, 179, 187
 Xiao (872?–866), 187
 Yi (865–858), 187
 Li (857/53–842/28), 179
 Xuan (827/825–782), 179, 187–188
 You (781–771), 188
 lineages, 225
 overview, 6–7, 9–10
 political system, 21
 regime in Linfen Basin, 140–144
 Xianyun as northern enemy of, 186–189
 Zhoujiazhuang, Shanxi, 51
 Zhouyuan, Shaanxi, 6
 Zhu, 77–78
 Zhuanghe, Shaanxi, 157
 Zhuanglang, Gansu, 149, 165
 Zhukaigou, Inner Mongolia, 8, 30, 62–63, 70, 79
 Zhuoni, Gansu, 168
 Zhuyuangou, Shaanxi, 180
 Zibai, 188
 Ziwuling, 163
zun wine vessel, 102, 115, 133, 143, 163
Zuozhuan, 103, 141
zuyi, 89