

INDEX

Note: Locators for figures and tables appear in italics.

```
Lutaigang site, Structure I 248-249, 249
agriculture 216-218
Akha people (Thailand), feasting rituals 69-70
                                                      Peiligang culture 74-75
Anban site 88-93, 209
                                                      Taosi sites 110
  F3 89
                                                      Yangshao culture 79, 83
ancestral cults 157, 236, 248
                                                    Armeniaca culgaris 55
  emergence 129, 135
                                                    arrowheads 63, 64
  gravesite rituals 119-120, 131, 144-146,
                                                      See also projectile points
      147-148
                                                    artifacts 260
  temples 48, 154
                                                      comparison of Dagudui quarry and Taosi 112
  See also sacrificial offerings
                                                      correlations between 41
                                                      Huanglianshu site, F11 38
Andersson, J. G. 5, 91
animals
                                                      Jiangzhai site, F17 37
  domestication 25, 58-59, 218
                                                      Kangjia site 57, 64-67
  as sacrificial offerings 53, 65, 94, 106
                                                      non-native 94
                                                      Yinjiacheng site 39, 45
  See also faunal remains
                                                      Yuchisi site
Anyang site 6, 48, 119
                                                        F33 41
archaeology
  based on material remains and historical
                                                      See also ritual objects; specific artifacts
      records 9-10, 13-16, 105, 237
                                                    ascribed social status 137, 144, 153, 250
  evolutionary approaches 10, 11–13
Morgan-Engels theory 5, 10–11, 79, 117
                                                    Baijia site 208
    neo-evolutionary model 11, 191
                                                      faunal remains 60, 61, 61
  as national history
                                                    Bancun site, burials 46-48
    legends and 223, 224, 235
                                                    Banpo site 46
    nationalism and 8-9, 11
                                                    barbarians 207
    quxi leixing model 7-8, 9, 12
                                                    bears 68
    Zhongyuan-centered tradition 5-8
                                                    Beixin culture 25-27, 193
                                                    belief systems 82-83, 157, 236
architecture
  building forms 113-114, 190
                                                      fertility cults 248-249
    cave dwellings 95
                                                      natural deities 248-249
    compound-like house clusters 113
                                                      ocean-spirit worship 201
    corridors 106, 113
                                                      See also ancestral cults; rituals
                                                    Bencao Gangmu (Li) 63
    drainage channels 103
    ground-level structures 85
                                                    Bianxianwang site 204
    longhouses 85
                                                    Blake, M. 246, 251
    monumental structures 115-116
                                                    Bohai Bay 29
    non-residences 79, 83-85
                                                    Bohlin, B. 5
    palace-like buildings 106, 110
                                                    bone artifacts
    palace / temple complexes 230-232
                                                      awls 131, 132
                                                      flutes 122, 124, 126
tools 57, 102
    pile-dwellings 75
    public buildings 113, 244
    semi-subterranean structures 74-75
                                                      See also oracle bones
    structure categories 79
                                                    bronze
  Dadiwan site 86
                                                      artifacts 1, 105, 207
  Erlitou culture 230-232
                                                      metallurgy 224, 233-234, 245
  Guchengzhai site 106
                                                      production sites 108, 230
  Longshan culture 43, 95-96
                                                      ritual objects 111, 231-232, 234, 235, 245
```



Bronze Age 226	burial sizes 120
Brumfiel, E. M. 231	grave goods and 140, 142, 144, 147, 264, 266
Bubalus arnee 68	0 11 50
Bubalus wansjocki 59, 60	Capra hircus 59
buffalo 68	Carneiro, R. L. 170, 246
burial locations	catfish 68
ash pits 46, 47	cemeteries 46, 75, 110, 118, <i>132</i> , <i>133</i>
cemeteries 46, 75, 110, 118, 132, 133	Center for the Study of Civilization 9
walls, floors, and foundations 46, 47, 53,	Central Asia, contacts with 91–93
55–57	central places 189, 190, 193, 235, 267, 269, 270,
See also mortuary practices	272
burial patterns	Central Plains lakes 22
cross-cultural comparison 152	ceramic artifacts 98–99
Dawenkou culture 65, 138–143, 155	burial urns 82
Longshan culture 135–138, 143–146, 155	chao scoops 87, 88–91 clay masks 88
Majiayao culture 146–148	dakouweng large-orifice urns 43, 98
Miaodigou phase 132–133	ding cauldrons 43, 45, 87, 203
Neolithic period	egg-shell goblets 108, 120, 122, 156, 184
early 126	figurines 88, 90, 92
middle 130–135	as grave goods 120
late 135–138	guan pots 43, 87
Peiligang culture 126–130	inscriptions on 203, 204
Qijia culture 148–151	ritual objects 82, 83, 203
social stratification and 110, 120–125,	vessels for kindling 51
138–143, 151–155	zeng steamers 43, 45
Upper Xiajiadian culture 153	ceramic assemblages 42–46, 218
Yangshao culture 46, 47, 130–135	correlation with tools and house sizes 41
Yellow River region	Dadiwan site 87, 87
lower 138–146	ceramic production 78, 98, 101
upper 146–151	ceramic types
See also mortuary practices	black pottery 1-2, 6
burials	Dongxiafeng variant 226
Bancun site 46–48	Erlitou variant 226, 235
Banpo site 46	Haojiatai 182
Chengzi site 143, 143, 144, 145, 146	Keshengzhuang variant 216
Dahecun site 46	Longshan culture 235
Dawenkou culture 139	in Shandong 207
Dianjuntai site 46	Xinzhai phase 226
Erlitou culture 230	Yangshao painted pottery 2, 91
Hongshanmiao site 132	Chalcolithic period, terracotta figurines 91–92
Hougang sites 46	Chang, K. C. 2, 99, 238
Huangniangniangtai site 148, 149, 150, 151,	Chardin, P. T. de. 5
151	Chen, X. 233
Jiahu site 65, 126, 127, 128, 128, 155	Chengzi site 143, 143, 144, 145, 146
Kangjia site 53, 54, 55, 56, 57, 62 Lingjiatan site 65–66, 67	burial sizes and grave goods 266 Chengziyai site 5, 6, 203
Longgangsi site 130, 131	chickens 59
Miaodigou site 46	chiefdoms 11, 116
mummies 92	characteristics 165, 189
Pingliangtai site 104	complex and integrated 241
research approaches 117–119	definition 13–14, 115
Shijia site 133, <i>133</i> , 135	diminished 221
Shuiquan site 128, 129, 130	emergence 189, 191
statistical analysis 125	models of 242
Taosi sites 110, 135, 136, 137, 138	Chinemys reevesii 64, 66–67
Wangchenggang site 47, 47	Chinemys spp. 66–67
Wangyoufang site 47	chronology of archaeological cultures 4, 16
Xiajincun site 137	cinnabar 84–85
Xishuipo site 155	Cishan culture 25
Xizhufeng site 204	civilization 12
Yangshan site 146, 147, 155	Clark, J. E. 246, 251
Yuchisi site 99, 141, 142	Clarke, M. J. 69
See also grave goods: mortuary practices	climate See environment



alimentia determinisma 20	Diamiumtai sita 16
climatic determinism 32	Dianjuntai site 46
coefficient of determination (R ²) 125	diet 61–62
coefficient of variation (CV) 125	health and 93
Cohen, D. 207	diguo shidai (the empire period) 13
competition	Dinggong site 203
among factions 100	divination methods 67
among households 71, 85, 99, 114	Turtle-Trigrams 65
	=
inter-polity 113, 205	See also oracle bones
See also warfare	dogs 59, 68
complex societies, economic systems 247	as sacrificial offerings 106
conflict	domestication
inter-group 63-64, 72, 94, 110, 115, 188, 229	of animals 25, 58, 218
inter-polity 190, 246	of plants 25
	•
Longshan culture and 1, 30	Donglongshan site 233
cooperation	Dongyi culture 207
intra- and inter-community 113	Doubters of Antiquity 7
copper 1, 104, 109, 184, 224, 233	drainage channels 103
bells 111	drums 122–123
corporate strategy 249–251	alligator 122, 136
correlation coefficient (R) 125	pottery 123, 124, 147, 151
corridors 106, 113	Dual-Processual leadership strategies 249–251
Costin, C. L. 114	duoyuan yiti (single entity with multiple
cowries 234	components) 8
craft production	
centers 105, 178	Earle, T. K. 13, 14, 15, 231
control of 244-245	East Asian monsoon, See monsoon, East Asian
social organization and 104, 114-115	East China Sea 28
specialization 73, 81, 105, 199, 201, 231	economic systems
See also prestige goods; ritual objects	in complex societies 247
craft-production hypothesis 40	production on a household-community
crucibles 108	basis 113
cultural transformations correlated to	egalitarian societies 35, 113
environment changes 22-23, 27-32, 93	mortuary practices 133
marine transgressions 197–198	Peiligang culture 78, 128
culture, definition 2	transition to stratified societies 13, 113, 146,
CV (coefficient of variation) 125	151, 153–155
CV (coefficient of variation) 123	Yangshao culture 42, 83, 131
D- 1:it- 06 00	
Dadiwan site 86–88	Eight Trigrams 65, 66
ceramic assemblage 87, 87	Elaphurus davidianus 31
F405 86	elephants 30
F901 86, 86	Elephus maximus 30
Dagudui quarry 109, 111	elites
artifacts 112	emergence 114, 156-157
Dahecun site 39, 46	mortuary segregation 151–155, 230,
Dantu site 93, 199	242–244
data sources 16	production of prestige goods 157
settlement data 161–162, 194, 273, 274	residential segregation 108, 110, 113–114,
Dawenkou culture 2, 16, 35–36, 38, 43, 193	242
burial patterns 65, 138–143, 155	environment 19
burials 139	changes correlated to cultural
early 25–27	transformations 22–23, 27–32, 93, 175,
grave goods 140	186, 216–218
	marine transgressions 193, 197–198
burial sizes and 265	
settlement patterns 203	environmental determinism 32
in Shandong 199	ercengtai ledges 121, 138, 141, 143
sites 96–100, 185, 186, 187–188	Erlitou culture 225
deer	burials 230
Pere David's deer 31	origins 16, 30–31, 226–229
sika deer 55, 59, 60, 68	palace / temple complexes 230, 231, 232
tusks as grave goods 99	rank-size distribution 226, 228
water deer 53	regional centers 234
deities, natural 248–249	settlement hierarchy 226, 228, 232, 235
delegated decision making 245	sites 219, 227
designs, anthropomorphic 83	territorial expansion 233–235



Erlitou culture (cont.)	lack of 110
transition from Longshan culture 235-236,	Lingjiatan site 66
246	Longgangsi site
urban core area 229, 230, 232	pigs 99, 123
world system 236	prestige goods 120, 141, 143
Xia dynasty and 223, 226	stone tools 78
See also Yiluo River region	See also burials; mortuary practices
erosion 20, 30, 218	Great Flood 31
exchange, See trade	ground stone implements 78, 85
	gucheng guguo guwenhua shidai (the period of
families	archaic towns, archaic states, and archaic
extended 53	culture) 11
natal, re-burial with 133, 135	Guchengzhai site 106, 107, 108, 113, 184
nuclear 53	guguo - fangguo - diguo (archaic state - regional
family-size hypothesis 40	state – empire) 12
faunal remains	guguo shidai (the archaic state period) 13
Baijia site 60, 61, 61	
Jiangzhai site 61, 61	hairpins 91, 92
Kangjia site 51, 57–58, 58, 62, 261	Haizang Park site 150–151
distribution 69	Hancheng sites 214
domesticated animals 58-59	Hangzhou Bay 2
ratio of domestic:wild animals 60, 61-63,	Haojiatai site 185
261	hares 60, 63
wild animals 59	headgear 88–89, 90, 92
feasting hypothesis 40–46	health 133
feasting rituals	diet and 93
Akha people (Thailand) 69–70	Henan sites 163, 164, 165, 166
Erlitou 236	Longshan culture 169, 178, 180, 182, 183,
Kangjia site 53, 68–70, 71, 244–245	184
Fei Xiaotong 8	hereditary social status, See ascribed social
Fengcheng-Nanshi site 111, 173	status
Fengyou site 215	hierarchies
fertility cults 248-249	administrative 160, 239, 240
Five Emperors period 9–10, 223	emergence 239
floods 30, 197–198, 216	See also segregation; settlement hierarchies;
erosion and 208, 218	social stratification
protection from 115, 207	historical records 31, 64, 192
See also Great Flood; specific rivers	archaeology based on 9-10, 13-16, 105, 237
foxes 68	Holocene environment 22, 23, 24, 25–26, 27
Fung, C. 142	Homo erectus 6
Fu Sinian 5, 6, 192	Hongshanmiao site 131, 132, 133
	Hougang sites 46, 181
Gao, Q. 133	Houli culture 25, 193, 202
Gaositou site 88	households
gender	as basic social units 15, 33–34, 101
division of labor and 36, 151	competition among 71, 85, 99, 114
mortuary treatment and 133–135, 141, 144,	general model 34
151, 157	material possessions 39–40
tool usage and 35, 36, 39, 43	rituals within 102
See also status, social	segmentation of activities 35–39
geographic settings 20–22	house sizes, correlation with ceramic assemblages
emergence of states and 246-247	and tools 41
Geoksyur 92	Huai river 20
goats, See sheep/goats	Huang-Huai Plains 182–184
Gongyi region sites 179	Huanglianshu site 39
grave goods	F11 36–37, 38
burial sizes and 140, 142, 144, 147, 264, 266	Huangniangniangtai site 148, 149, 150, 151, 151
ceramic artifacts	grave goods 266
Dawenkou culture 140	Huan River valley 181
deer tusks 99	Huizui site, tool assemblages 263
gender-related use of tools and 35-36	Hulu River valley 216, 217, 218
Huangniangniangtai site 151, 266	human remains 31, 44
iade artifacts 99, 136, 148	See also burials



Index 305

human sacrifices, See under sacrificial	overview 33, 48, 70–71
offerings	painted floor 51, 52, 102
hunting 63–64, 70	pits 53
Hutouliang site 24	H69 53
Huxizhuang site 215	H71 53, 57, 59, 66, 68–69
hypotheses	H74 56
craft-production hypothesis 40	H77 57
	H79 57, 63, 64
family-size hypothesis 40	
feasting hypothesis 40–46	settlement patterns 100–103, 213
	sketch map 50
Ikawa-Smith, F. 5	tool assemblages 263
inequality 102, 114–115, 130	Kara-Depe 92
inscriptions 203, 204	Kent's model 40, 48–51
See also oracle bones	Keshengzhuang site 47, 48
instruments, musical 122	kilns 75, 81, 101, 104, 111
interaction, regional 71–72	kin groups
, ,	definition 119
jade artifacts	stratified 137, 141–143
bi disks 121, 148–150	kinship organization
cong tubes 121, 136, 184	monolineal 99
distribution 123	patrilocal 135
as grave goods 99, 120, 136, 148–151	sequential development 11
as prestige goods 72, 108	
turtle shells 65–66, 66, 67	labor
yazhang tablets 121	communal 112
Jiacun site 213	gendered division of 36, 151
Jiahu site 35, 75, 76, 77	lacquer ware 57
burials 65, 126, 127, 128, 128, 155	Lajia site 31
burial sizes and grave goods 264	lakes 20, 22, 25
settlement patterns 75–78, 262	language
tools associated with burials 256	inscribed artifacts 203
Jiangxicun site 88	writing systems 1, 207, 224
Jiangzhai site 39–40, 42, 79, 80, 82	Laoguantai culture 25, 49, 208, 209
F17 36, 37	lead 109
F47 81	leadership strategies 249-251
faunal remains 61, 61	Lee, Y. K. 79, 133
sex ratios by age groups 134	legends, national history and 223, 224,
tools associated with burials 259	235
Jiaochangpu site 205	Liang, S. 2
Jiaolai plains 193	Liangchangzhen sites 108–109, 199, 201
Jing River sites 214	Liangzhu culture 2
	=
Jingyanggang site 205–206	Licent, E. 5
Ji River 27, 254	Licheng, Shandong 1
Johnson, G. A. 161	Li Chi 5–6, 7
77	Ligu site 237
Kangjia site	lime plaster 95, 102
architecture	Li Mountains 57, 60
house foundations 51–53	Linfen basin 170–176
house plans 52	Lingjiatan site 65–66, 67
artifacts 57, 64–67	grave goods 66
burials 53, 54, 55, 56, 57, 62	Linyi region sites 196
environment and ecology 60-61	Li Shizhen, Bencao Gangmu 63
excavations 49, 50	lithic materials 78, 82, 99, 108
faunal remains 51, 57–58, 58, 62, 261	Li Mountains sources 57
distribution 69	Mount Dagudui quarry 111
domesticated animals 58-59	Songshan Mountains limestone 105
ratio of domestic:wild animals 60, 61-63,	Liu, L. 233
261	log-normal line 160
wild animals 59	Longgangsi site 35, 36
feasting rituals 53, 68–70, 71, 244–245	burials 130, 130, 131, 131
human sacrifices 57, 63, 102	grave goods 132
hunting 63–64, 70	burial sizes and 265
oracle bones 54, 67	tools associated with burials 257
0.0000 001100 01, 01	25015 dobbefuted with bullans 25/

© Cambridge University Press



Longshan culture	minimum number of individuals (MNI) 51
architecture 43, 95–96	moats 96
arrowheads 64	Monetaian moneta 234
burial patterns 135–138, 143–146, 155	Monetaria annulus 234
ceramic types 235	monolineal kinship organization 99
conflict and 1, 30	monsoon, East Asian 23-24, 24, 25, 27
Gongyi region	monumental structures, social organization
sites 179	and 115–116
Henan 178–184	Morgan-Engels theory of cultural evolution 5,
sites 169, 180, 183	10–11, 79, 117
overview 1–5, 16, 27	mortuary practices
rank-size distribution 197, 213	burial in urns 82, 132
comparisons 175	in egalitarian societies 133
convex 173, 180, 183	gender and 133, 141, 144, 151, 157
log-normal 173	re-burial with natal families 133, 135
primate 173	segregation of elites 151–155, 230, 242–244
regions 3, 254	See also burial locations; burial patterns;
settlement hierarchies 195, 212	burials; feasting rituals; grave goods
comparisons 177	mountain apricot 55
three-tiered 177, 180, 182, 183, 210	27 1 24
two-tiered 181, 203, 205	Nanzhuangtou site 24
settlement patterns 168	national history
circumscribed clusters 170–176	legends and 223, 224, 235
less circumscribed clusters 178–184,	nationalism and 8–9, 11
185–188	quxi leixing model 7–8, 9, 12
semi-circumscribed clusters 176–178	Zhongyuan-centered tradition 5–8
Shaanxi 49, 192–193, 209–214 sites 49	nationalism, national history and 8–9, 11
	neo-evolutionary model of archaeology 11, 191
Shandong 192–193, 194–207 sites 196, 200, 202, 206	Neolithic period initial 24
Shanxi	early 25
sites 169	middle 25–27
Taosi (See also Taosi site) 190	late 27
rank-size distribution, primate 188–189	network strategies 249–251
settlement hierarchies, three-tiered 173, 188	numbers of identified specimens (NISP) 51
tool usage 35–36	numero of luminous specimens (1 (101) 31
transition to Erlitou culture 235–236, 246	ocean-spirit worship 201
Wei River valley	oracle bones 6, 47, 48, 53, 63, 254
sites 211	Kangjia site 54, 67
Yiluo valley	Ordos sites 5
sites 179	Ovis shangi 59
Longshanoid horizon 2	
definition 3	paintings on floors 51, 52, 102
Lubao site 182	paleovegetation 26
Lutaigang site, Structure I 248–249, 249	Panlongcheng site 233
	Pan Qifeng 174
magicians 91	patrilocal kinship organization 135
Majiayao culture 146–148, 224	Pearson, R. 35
marble artifacts 150	peer-polity interaction model 246–247
marine transgressions	Peiligang culture 16, 25, 35–36
correlated to cultural transformations 193,	architecture 74–75
197–198	burial patterns 126–130
sites and 198	rank-size distribution, convex 162
marriage, pairing 79	settlement patterns 162
matrilineal social organization 79	social organization and 74–78
Mengzhuang site 181–182, 237 metallurgy 111, 184, 224, 233–234, 245	sites 163
	pigs 58, 61
metals, earliest remains of 104 methodology, See research approaches	as grave goods 99, 123–125 Pingliangtai site 103, <i>103</i> , 104, 185
Miaodigou phase 2, 132–133, 165	political orientations
See also Yangshao culture	group 247, 249, 251
Miaodigou site 46	individual 247, 249
migration 174–175, 185, 201, 216–218	pollen 23, 27



Index 307

population decline 31, 201, 207, 209–214, 219 estimation 160, 160, 191, 240, 240 growth 30, 174, 180, 194, 208	ritual objects 72, 124 controlling production of 151, 245 religious power and 155–157 trade 67, 122, 136, 156
mobility 221	trade of 72
power	See also craft production; prestige goods; specific
religious 155–157	artifacts
ritual 248–249	ritual practitioners, See shamans
prestige goods 184, 224	rituals 129
as grave goods 120–125, 141, 143 production 108, 157, 236	within households 34, 102 See also ancestral cults; belief systems; feasting
wealth finance economic system and 247, 250	rituals; sacrificial offerings
See also ritual objects; specific artifacts	Rizhao region 199–201, 220
projectile points 233	sites 200
See also arrowheads	Sites 200
Proto-Shang culture 225, 236–238	sacrificial offerings
,	ancestral cults gravesite rituals 119-120, 131,
Qijia culture 31, 148–151	144–146, 147–148
Qinghai, Lake 25	animals 53, 65, 94, 106
Qi River valley sites 215	humans 46–48, 204, 205–207
"Qiushuipian" 31	Kangjia site 57, 63, 102
Qujialing culture 16, 36, 185, 187–188	Qijia culture 148
sites 186	Shang dynasty 46, 48
quxi leixing model of national history 7–8, 9,	Taosi sites 110
12	Wangchenggang site 47, 105
D2 (ff-i	Xishan site 94
R ² (coefficient of determination) 125	See also suttee
raccoon dogs 60, 63 radiocarbon dates 16, 22–23	Sahlins, M. 14 salt 233
ranking 15	Sanlihe site 35, 258
rank-size distribution 160–161, 241	sea level, fluctuation in 29, 29, 31, 202
convex 164, 188	sedentism 24–25
Erlitou 228	segmentation 34, 113, 128
Longshan culture 173, 180, 183	segregation
Peiligang culture 162	mortuary 151–155, 230, 242
in Shaanxi 210, 213, 214	residential 108, 110, 113-114, 242-244
in Shandong 196, 203, 205	Service, E. R. 11, 13
Yangshao culture 165	settlement hierarchies 160, 160, 240, 240
log-normal	four-tiered
Longshan culture 173	Erlitou culture 226, 228, 232, 235
in Shandong 199	Longshan culture 195, 212
Longshan culture 197, 213	comparisons 177
comparisons 175	three-tiered 239
primate Erlitou 226	Longshan culture 177, 180, 182, 183, 210
Longshan culture 173	Longshan culture, Taosi phases 173, 188
Longshan culture, Taosi phase 188	Yangshao culture 165, 166
Rank-Size Rule 160	two-tiered
rank societies 116	Longshan culture 181, 203, 205
R (correlation coefficient) 125	Yangshao culture 166, 166
Renfrew, C. 189, 246	settlement nucleation 116, 174, 201, 232, 235
research approaches	settlement organization
burials 117–119	large settlements 108–111
social complexity	medium settlements
analysis of 159, 160, 162, 169–170,	with walls 103–108
192–193, 225	without walls 96–103
approaches to 239	settlement patterns
further questions 251–253	analysis of 15
residential segregation, See segregation,	Dawenkou culture 203–205
residential	Hulu River valley 218 Kangjia site 100–103, 213
resources control of 114–115, 244–245	Longshan culture 168, 194–207
procurement 232, 233–234	circumscribed clusters 170–176
r	

© Cambridge University Press



settlement patterns (cont.)	Shuiquan site 128, 129, 130
less circumscribed clusters 178–184,	burial sizes and grave goods 264
185–188 semi-circumscribed clusters 176–178	silk cultivation 6 Silk Road 92
Peiligang culture 162 regional 240–242	Sima Qian 116 "Yin benji" 70
in Shaanxi 208, 215–219	Sino-American Collaborative Liangcheng
in Shandong 193–208	Archaeology Team 199, 201
Yangshao culture 163–168, 208	sites
settlement patterns and social	change of cultural distribution 217
organization 73–74, 111–114, 159–160,	comparison by size and number 172, 185
188–189, 246–247	frequency by period and region 28
Peiligang culture 74–78	marine transgressions and 198
in Shaanxi 221–222	number 218, 235
in Shandong 219–222	vs. size 185
Yangshao culture 167, 168	by size 180
early 78–83	slavery 106
middle 83–85	social change, dynamics of 246–247
late 85–95	economic systems 247
settlement systems	emergence of states 246–247
models 241	political orientations 247, 249, 251
mono-centered centripetal 188, 190, 220,	ritual power 248–249
241	social complexity
multi-centered competing 188-189, 190,	by archaeological period 243
220–221, 241–242	development and decline 192–193, 209, 215,
tributary 242	222
Shaanxi	emergence 48, 85, 159, 189, 249–251
Longshan culture 49, 192–193, 209	from extended families to lineages 135
rank-size distribution, convex 210, 213, 214	research approaches 159, 160, 161, 162,
settlement patterns 208, 215–219	169–170, 192–193, 225, 239, 251–253
social organization and 222	segmentation - unity continuum 35
sites 49, 208, 215	transition from egalitarian to stratified 113,
shamans 71, 91, 123, 155	146, 151, 153
social status 158	See also chiefdoms; states
Shandong	social organization
ceramic types 207	by archaeological period 240
Dawenkou culture 199	craft production and 114–115
Linyi region 194–198, 220–221	decentralized 190
Longshan culture 192–193, 194–207	diminished 221–222, 241
rank-size distribution	matrilineal 79
convex 195, 203, 205	monumental structures and 115–116
log-normal 199	settlement patterns and (See settlement
settlement patterns 193–208 social organization and 219–222	patterns and social organization) See also chiefdoms; states
sites 196, 200, 202, 206	social stratification
Yueshi culture 207–208	burial patterns and 110, 120–125, 138–143,
Shang dynasty	151–155
ancestral cults 119	Song Jian 8
human sacrifices 46, 48	Songshan Mountains 105
hunting 70	specialization, See under craft production
origins (See also Proto-Shang culture) 2,	Spencer, C. S. 245
6–7	spindle whorls 105
warfare 64, 237	staple finance economic system 247
Shanxi sites 169	states 12
sheep/goats 58-59, 60	definition 224-225, 245
Shelach, G. 153	emergence 14–15, 31, 223–225, 238, 246–247
shell tools 102	territorial 236
Shijia site	status, social
burials 133, 133, 135	ascribed 136, 143-144, 153, 250
sex ratios by age groups 134	markers 15
Shiji (Historical Memoirs) 64, 70	of men 144, 153, 242
shiny-leaved yellowthom 55	of shamans 158
Shi Zhangru 48	of women 135, 141, 145, 149, 242



stone artifacts 57, 78, 102, 105	Pingliangtai 185
as grave goods 78	Tenghualuo 198
production centers 108, 111, 178	Tianwang 203
yu axes 136	Wangzhuang 93, 194
See also arrowheads; ground stone implements;	Xikangliu 93, 194
projectile points	Xishan 93–95, 167–168
stratified societies 35	Wallerstein, I. 236
definition 15	walls 1, 112
legitimization 157	rammed-earth 30, 93, 183, 184, 188, 190,
transition from egalitarian societies 113, 146,	193, 205
151, 153–155	Wangchenggang site 104, 104, 106, 183
See also hierarchies; social stratification	burials 47, 47
Su Bingqi 7–8, 12	human sacrifices 105
suttee 149	tool assemblages 263
See also sacrificial offerings	as Yangcheng 105
	wangguo shidai (the dynastic state period) 13
Taiyi mountain system 193	Wangwan Neolithic sequence 2
Taosi site 109, 109, 111, 170, 173, 176	Wangyoufang site 47
architecture 110	Wangzhuang site 93, 194
artifacts 112	warfare
burials 110, 135, 136, 137, 138	inter-group conflict 63-64, 72, 94, 110, 115
human sacrifices 110	188, 229
Tenghualuo site 198	inter-polity conflict 190, 246
Thailand 69	Longshan culture and 1, 30
Three Dynasties 8, 238	Shang dynasty 64, 237
Tianwang site 203	See also competition
tools	water buffalo 31, 59, 60
assemblages 263	wealth finance economic system 247
associated with burials 256, 259	Wei River valley 181, 208, 221
bone tools 57, 102	environment and ecology 60-61
correlation with ceramic assemblages and house	sites 209, 210, 211, 214
sizes 41	world systems, Erlitou culture 236
gender-specific use 35, 36, 39, 43	Wright, H. T. 225, 242
potter's tools 40, 43, 45–46, 98, 101	writing systems 1, 224
shell tools 102	inscribed artifacts 203 (See also oracle bones)
towns, See walled settlements	Wu Jinding 1, 6
trade	wu shamans, See shamans
inter-community 78, 82, 102	
of ritual objects 67, 72, 122, 136,	Xanthoceras sorbifolia bunge 55
156–157	Xia dynasty 30, 105, 225, 235, 236, 238
transegalitarian societies 69, 100, 116	origins 223
See also chiefdoms	Xiajincun site 137
transportation 201, 233	Xiangjiagou site 199
tributary settlement systems 242	Xiaqiyuan culture 16, 181, 225–226, 227,
Trigger, B. G. 236	236–238
turtle shells 64–67, 122, 124, 126	Xia Shang Zhou Chronology Project 9
See also jade artifacts	Xikangliu site 93, 194
oce also jade artifacts	Xinzhai sites 184, 227, 229
Underhill, A. 64, 114, 141	Xipo site, F104 and F105 83, 84
Upper Xiajiadian culture 153	Xishan site 93, 94, 95, 167–168
Opper Majiadian culture 199	Xishuipo site 155
Wadian sites 184	Xizhufeng site 204
walled settlements 115, 272	Alzhuleng site 204
Bianxianwang 204	Yangcheng, Wangchenggang site as 105
Chengziyai 203	Yangshan site 146, 146, 147, 148, 151,
Dantu 93, 199	155
Dinggong 203	
Guchengzhai 107, 184	burial sizes and grave goods 266 Yangshao culture
Haojiatai site 185	architecture 79, 83–85
Hougang 181	arrowheads 64
Jiaochangpu 205	burial patterns 46, 48, 130–135 diet and health 93
Jingyanggang 205–207 Mengzhuang 182	overview 2, 16, 25–27
MICHELINATION 107	OVELVIEW \angle , 10, \angle 3- \angle 1



Index 310

Yangshao culture (cont.) painted pottery 2, 91 phases 26, 35–36, 42, 208 rank-size distribution, convex 165 settlement hierarchies three-tiered 165, 166 two-tiered 166, 166 settlement patterns 163-168, 208 social organization and 167, 168 settlement patterns and social organization early 78-83 middle 83-85 late 85-95 sites 5, 165, 209 Yan Wenming 2, 8, 13, 64 Yellow River valley 21 climatic and geomorphic changes 19 course changes 20, 29-30, 31, 186-187, 218, 251 Longshan culture variants map 3 sites 74, 118, 171 topography 20-22 See also floods Yiluo River region 176-178 Yiluo valley sites 179 "Yin benji" (Sima Qian) 70

Ying River valley 184 Yinjiacheng site 39 F204 43, 45, 46 tools associated with burials 259 Yinjiacun site 208 Yuanjunmiao site, sex ratios by age groups 134 Yuchisi site 39, 96, 97, 100 burials 99, 141, 142 burial sizes and grave goods 265 F33 43, 44 F37 38, 39 food vessel rankings 98 Yueshi culture 16, 30-31, 194, 201, 207-208 Yu the Great 105, 235 Zhao Chunqing 161 Zhaojialai site 101, 102, 215 Zhengzhou region 166-168 Zhongyuan-centered tradition of national history 5-8 Zhou dynasty 91, 219 Zhoukoudian site 5, 6 Zhuangzi 31 Zhuzu, Mount 199 Zipf, G. K. 160