

Index

- Abomey, 213
 Abri-Delgo Reach, 73, 77, 107
 Abu Hamed, 88–9
 Abu Simbel temple, 77
 Abydos, 23
 Acoua-Agnala M’Kiri, 243
 Adams, William, 69
 Adansemano, 192
 Addi Galamo, 119–20
 Adi Tsehafi, 137–8
 Adulis, 116, 124–5, 129, 145
 Africa. *See also* Far Western Africa
 common archaeological factors throughout, 347–54
 elite power in, development of, 350–1
 environmental diversity throughout, 1
 sociopolitical complexity in, 11
 state formation in, 8, 352–4
Africa (Reader), 9
African Archaeology (Phillipson), 9
African Archaeology (Stahl), 9
African Cities and Towns Before the European Conquest (Hull), 9
African Connections: An Archaeological Perspective on Africa and the Wider World (Mitchell), 12
The African Experience (Oliver), 9
 African history, through archaeological sources, 1–2
 African Iron Age, 4–5
 African rice, 3–4, 151–3, 172, 188, 228–9
Africans (Iliffe), 9
 Africanus, Leo, 9–10, 149, 154
 agriculture, 59, 209–10. *See also* pastoralism;
 plants, domestication of; subsistence
 economies
 ’Aidhab, 95–6
 Ain Farah, 95–6
 Akan states, 191–2, 218
akee, 188
 Akhenaten, 23–4
 Akonétye, 210
 Aksum site, 121–5
 architectural styles in, 125–7
 Dongur Mansion at, 126, 140–1
 German expeditions to, 125–7
 Gudit Stelae Field, 124
 stelae at, 121–5, 135–6, 143–4
 Tomb of King Bazen, 124
 Tomb of the Brick Arches, 124, 137–8
 Tomb of the False Door, 123
 trade and, historical evidence of, 145–7
 Aksumite Ethiopia, 1–2, 111, 116–33
 Alexandria, 23–4
 ’Allaqi, 95–6
 Allen, J. de V., 232
 Alodia, 92–5
 Althiburos, 50–1
 Alvares, Francisco, 117
ambas, 112
 Amenhotep IV (Pharaoh), 36
Ancient Egypt: Anatomy of a Civilization
 (Kemp), 18
 ancient Greece. *See* Greece, ancient
 Anfray, Francis, 118
 animals, domestication of
 camels, 150–1
 cattle, 3–4, 30–1, 73, 96–7, 114–15, 133–4,
 172–3, 228–9, 284–6
 dogs, 114–15, 173
 donkeys, 73, 96–7, 173
 goats, 3–4, 30–1, 73, 96–7, 114–15, 173, 228–9
 horses, 66, 114–15, 173
 in North Africa, 48
 in Nubia region, 73, 96–9
 oxen, 114–15
 pigs, 30–1
 poultry, 30–1, 73, 96–7, 114–15, 133, 173,
 228–9
 sheep, 3–4, 30–1, 73, 96–7, 114–15, 173, 228–9
 as trade, 115
 Ankadivory, 245
 Ankole, 311–12
 Anqer Baahti, 137

Index

- archaeology, 3–4
 of metallurgy, 4–5
 methodology for, 2–3
 research potential for, 3
 visibility of, 299
The Archaeology of Africa (Shaw), 9
 Argo, 88–9
 Arminna West, 93–5
 Asantemanso, 192
 Asiatic Hyksos, 35
 Aswan, 70–2
 Augustine of Hippo, 47
 Awdaghost, 161–2
 Azelik, 164
 Azugi, 164
- Baahti Nebait, 137
 Bacwezi dynasty, 306, 315
 Badi', 95–6
 al-Bakri, 154, 162, 167–9
 Ballana, 89–90, 98–100, 102, 106. *See also*
 X-Group state
 Bambandyano, 270, 292, 294
 Bambara groundnut, 173
 bananas, 228–9, 247, 303
 Bantu Cattle Pattern, 284, 290–1
 Baranda, 282
 Barbosa, Duarte, 231–2
 barley, 3–4, 96–7, 133
 Barros, João de, 231–2, 266–7
 Barth, Heinrich, 177
 Al-Basra, 58–9
Batn el Hajar, 73, 88–9, 95–6, 106
 Battle of Ulundi, 343
 Bayuda Road, 82, 107–8
 Beach, David, 266
 beans, 210, 287, 303
 Begho site, 191–2, 218
 Benin City, 1–2, 187, 189–91, 199–206
 building and construction practices in, 213
 European trade in, 218–19
 impluvia courtyards, 202
 metallurgy in, 205
 Ogiamien's House, 202–3
 population in, 214
 technology in, 211
 Benin City Walls, 203
 Benin Massacre, 187
 Bent, Theodore, 260–1
Beyond Chieftdoms (McIntosh), 11
- Bieta Giyorgis, 118, 121, 130–1, 133–4
 Bigo, 313–18, 321–2, 325
 Birimi, 208
 Birnin Gazargamo, 164
 black beniseed, 151–3
 Black Death, 295
 boat construction, 249
 Bocarro, Antonio, 264
 Bokoni settlements, 344
 Bonnet, Charles, 78–80
 Bono Manso, 192–5, 209
 Bornu (old state), 1–2, 154–5, 164
 Bosutswe, 271
 brassica, 133
 bronze metallurgy, 288
 Bruce, James, 117
 Buganda, 299, 325
 Buhen, 23–4, 76, 107–8
 building and construction practices
 in Aksum site, 125–7
 in Benin City, 213
daga, 264, 269–70, 272, 288
 along East African coast, 238–9, 248–9
 in Ethiopian and Eritrean highlands, 136–7
 in Great Zimbabwe, 269–70, 284, 287–8
 in North Africa, 53
 in Nubia region, 99–100
 in Pharaonic Egypt, 32
 in Qsar es-Seghir, 56–8
 Bunyoro, 318, 325
 Bur Gao, 228
 burial sites, 27–30, 49, 78, 90–1, 102, 167–70,
 257. *See also* cemeteries; funerary artefacts
 Burkina Faso, 173, 176–7
 Butua State, 291–2
 Butzer, Karl, 142
Bwogero, 317–18
 Byzantine period, 47, 62
- camels, 150–1
 Campbell, John, 333
 Cape Bojador, 150
 Cape Guardafui, 239
 Carthage, 46, 49–50
 cassava, 210, 303
 Caton-Thompson, Gertrude, 260–1
 cattle, 3–4, 30–1, 73, 96–7, 114–15, 133–4, 172–3,
 284–6
 cemeteries, 49, 84–6, 167–70
 Centenary Survey, 281

Index

- Central Africa. *See* Interlacustrine Region;
 Upemba Depression
- chat*, 114–15
- Chibuene, 246–8
- chickens, 114–15, 133, 173, 228–9
- chiefdoms, 6
- Childe, Gordon, 5
- Chipadze's Ruin, 278
- Chittick, Neville, 239–40
- Chivowa Hill site, 281
- Christianity, 47, 64–5, 75, 92, 105, 111, 143
- Chumungwa Ruins, 296
- Churchill, Winston, 304–5
- Cinnamon Route, 224
- cities, 9–12, 51–3. *See also* urbanization
- civilization, 5–7
- The Civilizations of Africa* (Ehret), 9
- Clapperton, Hugh, 166–7
- coconuts, 228–9, 246–7
- cocoyams, 228–9
- coffee, 114–15, 188
- coins, 143, 145–6, 255
- Comoro Islands, 225, 233, 242–3, 246–7
- Congo. *See* Interlacustrine Region; Upemba
 Depression
- construction. *See* building and construction
 practices
- copper metallurgy, 4–5, 173–5, 288, 308–11
- Correa, Gaspar, 221, 231–2
- cotton, 114–15, 133
- cowpeas, 151–3, 173, 208, 303
- cowrie shells, 216–17
- Cubalel, 161
- Cyirima Rujugira (King), 300–1, 325
- Cyrene, 46
- Da Asia* (Barros), 231–2
- Daboya, 195, 208–9
- daga*, 264, 269–70, 272, 288
- Dahshur, 23
- Dakhlet el Atrous I, 157
- Danangombe, 267, 282–4, 296
- Darfur, 95–6
- Darius I (King), 39
- Darling, Patrick, 191
- Debeira West, 93–5, 98–9
- Debra Damo church, 126, 145
- Deffufa* temple, 78–80, 99–100
- Deir el Bahari, 107–8
- Dembeni, 243, 246–8
- Dhar Tichitt-Walata, 157, 175, 177, 184
- Dia, 161
- disease, 19–21, 30, 34, 44, 74, 189, 304–5. *See also* Black Death
- Djemila, 53
- D'mt* state, 121
- dogs, 114–15, 173
- Domboshaba, 270
- Dombrowski, Joanne, 134
- domesticated animals. *See* animals,
 domestication of
- Dondo, 238
- Dongola Reach, 70–2, 77, 81–2
- Dongur Mansion, 126, 140–1
- donkeys, 73, 96–7, 173
- Donley, Linda, 234
- Doupwil, 164
- dried fish, 216
- Durbi Takusheyi, 174
- dyewoods, 216
- Dzata, 270
- Early Iron Age, 242
- Early Kitchen Ware, 242
- Early Osogbo, 195
- East African coast
- abandonment of early settlements, 230
 - archaeological evidence along, 232–45
 - boat building along, 249
 - building and construction practices along,
 238–9, 248–9
 - burial sites along, 257
 - environmental factors in, 222–30
 - external trade along, 229–30, 254–8
 - geographical location, 222–30
 - historical development along, 221–2
 - historical evidence in, 231–2
 - ideology and, 253–4
 - Islamic practices along, 253–4
 - in literary works, 231–2, 239
 - metallurgy and, 247–8
 - population for, 251–3
 - Shirazi immigration to, 231–2
 - slave trade along, 229
 - social systems along, 250–1
 - subsistence economies along, 245–7
 - Swahili Culture and, 222, 251
 - technology along, 247–50
 - textile production along, 249–50
 - trans-Saharan trade in, 254–5

Index

- economic development, 19, 37–8. *See also*
 subsistence economies; trade
- Edwards, David N., 70
- Egharevba, Jacob, 190
- Egypt, 18. *See also* Pharaonic Egypt
- Ehret, Christopher, 9
- El Djem, 63
- El Kurru, 81–2
- El-Amarna, 23–4
- Ellis, William, 243–5
- El-Oualedji, 167–9
- Emery, Walter, 90
- Encyclopedia of Precolonial Africa*
 (Vogel), 9
- Enda Mika'el, 125
- Enda Semon, 125
- ensete*, 114–15
- Essouk-Tadmakka, 162–4, 175, 180–1
- Ethiopian and Eritrean highlands. *See also*
 Aksum site; Aksumite Ethiopia
- Adulis, 116, 124–5, 129, 145
- ambas* in, 112
- building and construction practices in,
 136–7
- Christianity in, 143
- as cultural bridge with Asia, 111
- domestication of plants in, 114–15
- environmental factors in, 112–16
- external trade and, 144–7
- Gash Group in, 118
- geographical location of, 112–16
- historical development periods for, 118
- historical evidence in, 116–17
- ideology in, 143–4
- manuscript evidence in, 117
- Matara, 111, 118, 121, 124–5, 127–8, 141,
 145
- metallurgy in, 137
- physical topography of, 111
- population pressures in, 141–3
- pottery production in, 137–8
- pre-Aksumite period, 118
- social systems in, 138–41
- subsistence economy in, 133–4
- technology in, 135–9
- Yeha, 111, 118–20
- Europe, trade with, 43, 185–6, 190, 218–19,
 294–5
- external trade. *See* trade
- Eyo, Ekpo, 198
- Fagan, Brian, 296
- Far Western Africa, 302–3
- archaeological evidence in, 318–20
- historical evidence in, 305–6
- ideology in, 325
- social systems in, 323–4
- technology evidence in, 321–2
- Faras site, 89, 92–3, 95–6, 107
- Fatimid period, 48
- Ferka, 95–6
- Feti, 320
- figs, 228–9
- fishing, 44
- Flannery, Kent, 18
- Fletcher, Roland, 6
- floodwater farming, 153
- fonio, 151–3
- food shortages, 149
- funerary artefacts, 27–30
- Fung kingdom, 95–6
- al-Fustat, 23–4
- Gabra Maskal (King), 123
- Galana society, 228
- Galia, 164
- Gao Ancien, 160–1
- Gao Saney, 160–1
- Gariep River, 330–1
- Garlake, Peter, 8, 198
- Garrard, Timothy, 183
- Gash Group, 118
- Gedi, 233–6, 250–1, 254
- Geographia* (Ptolemy), 231
- geographical location
- East African coast, 222–30
 - Ethiopian and Eritrean highlands, 112–16
 - North Africa, 43–4
 - Nubia region, 70–5
 - Pharaonic Egypt, 18–21
 - South Africa, 330–1
 - West African forest region, 186–90
 - West African savanna, 149–54
- Ghana, 10, 176–7, 191–2
- glass beads, 180, 256, 295–6
- goats, 3–4, 30–1, 73, 96–7, 114–15, 133, 173,
 228–9
- Gobedra Hill, 129
- The Gold Coast, 185. *See also* West African forest
 region
- gold metallurgy, 173–5, 288

Index

- gold mining, 285–6
 Gondar, 144
 gourds, 133, 188
 The Grain Coast, 185. *See also* West African forest region
 Grains of Paradise, 188
 grapes, 133
 Grat-Be'al-Guebri, 120
 Great Crescent of population, 266, 292
 Great Zimbabwe
 archaeological evidence for, 260–1, 267–86
 as archaeological riddle, 260–2
 architectural evidence in, 272–3
 Bantu Cattle Pattern in, 284, 290–1
 building and construction practices in, 269–70, 284, 287–8
 Centenary Survey of, 281
 daga in, 264, 269–70, 272, 288
 external trade throughout, 293–7
 gold mining in, 285–6
 historical evidence in, 266–7
 ideology in, 293
 Maund Ruin, 274
 metallurgy in, 288
 population pressures in, 291–2
 pottery production in, 289
 social systems in, 289–91
 technology in, 287–9
 urbanization in, 278, 290–1
 Zimbabwe Plateau, 262–6
 Greece, ancient, 44–6
 groundnuts, 303
 Gudut Stelae Field, 124
- Haas, Jonathan, 6
 Hall, Richard, 260–1
 Hamadab site, 86–7
 Hambarketolo, 157–60
 Hamdallahi, 164
 Haoulti-Melazo, 119–20
 Hausaland (old state), 154–5
 Herodotus, 75
 heterarchy, 352–3
 Hierakonpolis, 17, 23
 Hiernaux, Jean, 307–8
 hieroglyphic texts, 75
 Hill Ruin, 284–6
 historical evidence
 in East African coastal region, 231–2
 in Ethiopian and Eritrean highlands, 116–17
 in Great Zimbabwe, 266–7
 for North Africa, 44–8
 in Nubia region, 75–6
 in Pharaonic Egypt, 21–2
 in West African savanna, 154–5
 History of Pate, 231–2
History of the Yorubas (Johnson), 190
 Holl, Augustin, 9
 Horn of Africa, 229
 horses, 66, 114–15, 173
 house power, 234
 Huffman, Thomas, 274–8
 Hull, Richard, 9
 human development, archaeological evidence of, 3–4
 Hunwick, John, 154–5
 Husuni Ndogo, 238
- ibn Battuta, 154, 221, 231–2, 294
 ibn Fartua, 154
 Ibn Hawqal, 154, 162–4
 ibn Khaldun, 154
 ibn Said, 154
 ideology
 East African coast and, 253–4
 in Ethiopian and Eritrean highlands, 143–4
 in Far Western Africa, 325
 in Great Zimbabwe, 293
 in Interlacustrine Region, 325
 in North Africa, 63–5
 in Nubia region, 104–5
 in Pharaonic Egypt, 36–7
 in South Africa, 344–5
 in Upemba Depression, 325
 urbanization and, 105
 in West African forest region, 215
 in West African savanna, 179
 al-Idrisi, 154, 231–2
 Ife, 198, 209, 211, 215, 218–19
 Ifriqiyah, 48
 Igbo people, 206–8
 Igbo-Ukwu, 206–9, 217
 Ijebu-Ode, 195
 Iliffe, John, 9
 impluvia courtyards, 202
 Indicopleustes, Cosmas, 126, 146–7
 infant cemetery. *See tophet*
 Ingombe Ilede, 296
 Inland Niger delta
 archaeological evidence in, 157–60

Index

- Inland Niger delta (cont.)
 burial sites in, 167–70
 Jenné-jeno, 149, 157–61, 165
 Mali, 157–60
 Timbuktu region, 160–1, 180–1
- Interaction-Communication Model, 192
- Interlacustrine Region, 302–5
 archaeological evidence in, 306–20
 disease in, 304–5
 historical evidence in, 305–6
 ideology in, 325
 population pressures in, 324
 social systems in, 323–4
 subsistence economy in, 320–1
 trade throughout, 325–8
- iron metallurgy, 4–5, 173–5, 210–11
- Ishan, 211
- Islam, 253–4
- Islamic North Africa, 47–8, 67
- Island of Corisco, 318–20
- Itsandra, 243
- ivory, 256, 260–98
- The Ivory Coast, 185. *See also* West African forest region
- ivory trade, 106
- Iwo Eleru, 209
- Jebel Adda, 89–90, 92–3
- Jebel Barkal, 77, 81–2, 88–9
- Jebel Qeili, 98, 106
- Jenné-jeno, 149, 157–61, 165, 172–5, 183
- Johnson, Samuel, 190
- Journal of the first voyage of Vasco de Gama*, 1497–9, 221, 231–2
- Juba society, 228
- Kabaka*, 299
- Kadzi, 287
- Kagogo, 313
- Kahun, 23–4
- Kairouan, 53–5
- Kalabsha site, 95–6
- Kalahari Desert, 262
- Kaleb (King), 123
- Kalifa Gallou, 161
- Kamilamba, 307–8
- Kanem-Borno Empire, 10
- Kaniana, 157–60
- Kano settlement, 164, 166–7, 177
- Karanga Kingdom, 266
- Karanog, 89
- Kasunga, 315, 325
- Katonga River, 313, 317
- Katongo, 307
- Katsina, 164
- Kawa, 88–9, 107–8
- Kawinza, 169
- Kay, Stephen, 333
- Kemp, Barry, 18
- Kerkouane, 50–1
- Kerma, 77–81, 102, 106–8
- Khami, 282–4, 291–2
- Kibengo, 315
- Kibiro, 322
- Kidane Mehret, 126–7, 133, 137–8, 141
- Kikulu, 307
- Kilwa, 10, 221, 231–2, 236, 239–40, 245–8, 250–1, 254, 295
- Kilwa Chronicle, 231–2
- Kingdom of Kush. *See* Napata
- The Kingdoms of Africa* (Garlake), 8
- Kintampo sites, 208
- Kirikongo, 175–7
- Kisale Lake, 302
- Kisalian tradition, 308–10
- Kissi, 66
- Kitara, 306
- Kivu Lake, 302
- Koale, 240–1
- Kohaito, 129
- Koi Gourrey, 174
- kola plant, 188, 216
- Kong, 164
- Kongo (old kingdom), 1–2, 9–10, 300, 305–6
- Kooki, 322
- Koptos, 23
- Korosko Road, 88–9, 107–8
- kosso* tree, 115–16
- Koumbi Saleh, 162, 175, 177, 179–80
- Kramokrom, 192
- Kulubnarti, 92–3
- Kyoga Lake, 302
- Lahun. *See* Kahun
- Lake Albert, 302, 304
- Lake Edward, 302, 304
- Lake George, 302
- Lake Victoria, 302
- lakes. *See specific lakes*
- Lalibela Cave, 137, 144

Index

- Land of Punt, 107–8
 Lane, Paul, 9
 Large Baths, at Djemila, 53
 Lekkerwater site, 279
Lendas de India (Correa), 231–2
 Lepcis Magna, 50–1, 60
 Levtzion, Nehemiah, 154–5
 Limpopo River, 262, 266
 linseed, 133
 Lion Temple at Naqa, 84–6, 88, 106
 Livingstone, David, 249
 Lonsdale, John, 8
 Lozi Kingdom, 300
 Luba state, 301–3, 308–9
 Lugard, Frederick, 166–7
- Mabogunje, Akin, 5–6
 Machedema, 270
 Mack, John, 245
 Madagascar, 225, 233, 242–3, 246–8
 Mafia, 225, 247–8
 Mahdiyya, 53–5
 Mahilaka, 245–50
 maize, 114–15, 210, 303
 Majābat Al-Koubrā, 180
 Makuria, 92–5
 Maleke Aksum, 126–7
 Malemba Nkulu, 307
 Mali, 10, 157–62
 Malindi, 251
 Malumba, 287
 Manda, 240, 246–8
 Mandji, 318–20
 Manetho, 17–18
 Manyikeni, 269
 Mapungubwe, 267, 270–1, 273, 288, 292
 Maqaber Ga'ewa, 119–20
 al-Maqrizi, 75, 154
 Marandet, 164
 Masaka Hill, 325
 Mashita Bansa, 300–1
 al-Masudi, 154, 231–2
 Matara, 111, 118, 121, 124–5, 127–8,
 141, 145
matooke, 303
 Mauch, Carl, 260, 267, 286–7
 Maund Ruin, 274
 Mazoe River, 262
 M'Bachile, 246
 Mbanza Kongo, 300
- McIntosh, Roderick, 11, 155, 157–60, 167, 176
 McIntosh, Susan Keech, 11, 155, 157–60, 167
 medical practices, in Pharaonic Egypt, 32
 Mediterranean Sea, 44, 65–7
 Meheila Road, 77, 82, 107–8
 Meinarti settlement, 89–90
 Melegueta pepper, 188, 216
 Memphis, 23–4
 Meroë, 69–70, 82–9, 107–8
 archaeological evidence in, 82–4
 cemeteries in, 84–6
 Napata settlement and, 81
 Royal City settlement in, 84
 southern settlements, 88–9
 temple structures in, 84–6
 urban status of, 86–7
 metallurgy
 African Iron Age, 4–5
 archaeological evidence of, 4–5
 in Benin City, 205
 bronze, 288
 copper, 4–5, 173–5, 288, 308–11
 East African coast and, 247–8
 in Ethiopian and Eritrean highlands, 137
 gold, 173–5, 288
 in Great Zimbabwe, 288
 iron, 4–5, 173–5, 210–11
 in Nubia region, 100–1
 in West African forest region, 210–11
 in West African savanna, 173–5
Mfecane period, 333–4, 339, 344
 Mgombani, 246
 Mgungundlovu, 299–300, 333, 340
 Middle Kingdom settlements, 23–4
 Middle Senegal Valley, 161–2, 167–70
 Mijikenda peoples, 232, 242
 millet, 3–4, 151–3, 172–3, 228–9, 246, 287, 303
 Mitchell, Peter, 9, 12
 Mkadini, 249–50
 Mkukutu, 239
 Mobile Elites, 77–8, 155–7
 Mogadishu, 247–8, 251
 Mohenjo-Daro, 12
 Molokwane settlement, 337–9
 Mombasa, 240–1, 251
 Monroe, J. Cameron, 9
 Montevideo Ranch site, 281
 Moody, H. L. B., 166–7
 Moor Park, 334
 Mozambique Island, 225

Index

- Mtambwe Mkuu, 247–8
 Mubende, 315, 325
 mules, 114–15
 Munsa, 315, 321
 Murrupania IV, 257
 Musawwarat es-Sufra site, 86–7, 99–100
 Mutapa, Mwene, 266
 Mzâb, 53–5
- Naletale, 282–4
 Napata, 81–2, 102, 107–8
 Naqa site, 84–6, 88, 106
 Naqada, 23
 Narmer Palette, 23
 Ndorwa Kingdom, 300–1
 Nefas Mawcha, 124
 Nekau II (ruler), 39
 Nenquin, Jacques, 307–8
 New Buipe, 192–3
 New Kingdom settlements, 23–4, 35
 Nhunguza Ruin, 278–9
 Nigeria. *See* Kano; Kano settlement
 Nile Mosaic at Palestrina, 75
 Nile River, 18–19, 70–4, 302. *See also* Nubia region
 Nile Valley, 41–2, 74–5. *See also* Nubia region; Pharaonic Egypt
 Nobadia, 92
 North Africa. *See also* Carthage; Mediterranean sea
 agricultural exports from, 59
 ancient Greece and, 44–6
 archaeological evidence in, 49–59
 burial sites in, 49
 during Byzantine period, 47, 62
 Christianity in, 47, 64–5
 cities in, 51–3
 construction practices in, 53
 domestication of animals in, 48
 environmental factors in, 43–4
 fishing in, 44
 geographical location, 43–4
 historical documentation for, 44–8
 ideology in, 63–5
 Islamic, 47–8
 as link to Europe, 43
 Muslim Arab invasion of, 53–5
 pastoralism in, 44
 Phoenician traders in, 46
 population pressures in, 62–3
 during Roman Empire, 44–7, 51–3, 62
 social systems in, 61–2
 subsistence economy in, 59
 technological development in, 59–61
 trade throughout, 46, 49–50, 65–7
 urbanization in, 49–53
 Vandal period in, 47, 62
 water availability in, 44
- Nsukka sites, 210
 Ntsuanatsatsi, 334
 Ntsudjini, 243
 Ntusi, 313, 315–18, 321
Nubia: Corridor to Africa (Adams), 69
 Nubia region. *See also* Meroë; X-Group state
 archaeological evidence in, 76–96
 building and construction in, 99–100
 Christianity in, 75, 92, 105
 cultural influences on, 69
 development of, 108–10
 disease in, 72
 domesticated plants in, 72, 92, 96–9
 domestication of animals in, 73, 96–9
 domestication of plants in, 92
 environmental factors in, 70–5
 geographical location of, 70–5
 hieroglyphic texts in, 75
 historical antecedents for, 69
 historical evidence in, 75–6
 ideology in, 104–5
 Kerma, 77–81
 metallurgy in, 100–1
 military invasions in, 74–5
 mineral resources in, 73–4
 Napata settlement in, 81–2, 102
 pastoralism in, 98–9
 Pharaonic Egyptian control of, 77–8
 population pressures in, 103–4
 pottery production in, 101
 saqia use in, 74, 89, 101, 104
 shaduf in, 74, 101, 104
 slavery in, 106
 social systems in, 102–3
 subsistence economy in, 96–9
 technology in, 99–101
 textile production in, 101
 as trade corridor, 69–70
 trade throughout, 105–8
The Nubian Past (Edwards), 70
nug, 114–15, 133

Index

- oats, 133
 Oba (religious officiant), 215
 Obobogo, 210
 O'Connor, David, 80
 Oea, 50-1
 Ogiamien's House, 202-3
 oil-palm tree, 151-3, 188, 208
 okra, 188
 Old Cathedral of Maryam Tsion, 132
 Old Dongola, 92
 Old Kingdom, 22
 Old Lithako, 333
 Old Oyo, 195-8, 210, 213
 Old Sima, 246-8
 Oliver, Roland, 9
 Ona Culture, 111
 Ona Nagast, 133-4
 Ondini, 333, 340
 Oni (spiritual leader), 215
 Orwell, George, 348
 Ouchatei Golo, 129
 Oursi hu-beero, 173
 oxen, 114-15
The Oxford Handbook of African Archaeology
 (Mitchell and Lane), 9
- palm wine, 216
 Pangani society, 228
 pastoralism, 44, 98-9, 287
 Pate, 240-1, 251
 peas, 287
 Pemba, 225
 Pereira, Duarte Pacheco, 185
Periplus of the Erythraean Sea, 116, 129, 146,
 224, 229-31, 239, 249, 270
 Pharaonic Egypt, 1-2
 archaeological evidence for, 22-30
 burial sites in, 27-30
 construction in, 32
 documentation evidence for, 22
 dynastic periods in, 17-18, 23
 economic development in, 19
 environmental factors in, 18-21
 geographical location of, 18-21
 historical evidence in, 21-2
 ideology in, 36-7
 medical practices in, 32
 Middle Kingdom settlements during, 23-4
 New Kingdom settlements during, 23-4, 35
 Nile River and, 18-19
 as non-monetary economy, 37-8
 Nubia region controlled by, 77-8
 Old Kingdom, 22
 population pressures in, 35-6
 Quseir al-Qadim, 39
 social complexity in, 17
 social systems in, 33-5
 sociopolitical importance of, 19
 subsistence economy in, 30-2
 technological development in, 32-3
 trade for, 37-9
 urbanization in, 22-9
 Phillipson, David W., 9, 117-18, 120-6,
 133-4
 on population growth, 142-3
 on stelae, 144
 Phillipson, Laurel, 137
 Phoenicia, 46
 Phoenician alphabet, 46
 pigs, 30-1
 Pikirayi, Innocent, 282
 Plant, Ruth, 136
 plantains, 306
 plants, domestication of
 African rice, 3-4, 151-3, 172, 188, 228-9
akee, 188
 Bambara groundnut, 173
 bananas, 228-9, 247, 303
 barley, 3-4, 96-7, 133
 beans, 210, 287, 303
 black beniseed, 151-3
 brassica, 133
 cassava, 210, 303
 coconuts, 228-9, 246-7
 cocoyams, 228-9
 coffee, 114-15, 188
 cotton, 133
 cowpeas, 151-3, 173, 208, 303
 in Ethiopian and Eritrean highlands, 114-15
 figs, 228-9
 fonio, 151-3
 gourds, 133, 188
 grapes, 133
 kola plant, 216
 linseed, 133
 maize, 114-15, 210, 303
 Melegueta pepper, 188, 216
 millet, 3-4, 151-3, 172-3, 228-9, 246, 287,
 303
 in Nubia region, 72, 92, 96-9

Index

- plants, domestication of (cont.)
mug, 114–15, 133
 oats, 133
 oil-palm tree, 151–3, 188, 208
 okra, 188
 peas, 287
 plantains, 306
 pomegranates, 228–9
roselle, 188
 saffron, 228–9, 247
 sesame, 246
 sorghum, 3–4, 96, 151–3, 172–3, 228–9, 246, 303
 sugar cane, 228–9
 taro, 228–9, 247
 teff, 3–4, 133
 tobacco, 210
 wheat, 96, 133
 yams, 3–4, 151–3, 188, 208, 228–9
 Pliny the Younger, 116
 political evolution, 6
 pomegranates, 228–9
 population, historical evidence of
 in Benin City, 214
 along East African coast, 251–3
 in Ethiopian and Eritrean highlands, 141–3
 in Great Crescent, 266, 292
 in Great Zimbabwe, 291–2
 in Interlacustrine Region, 324
 in North Africa, 62–3
 in Nubia region, 103–4
 in Pharaonic Egypt, 35–6
 for Phillipson, D. W., 142–3
 in South Africa, 344
 in Upemba Depression, 324
 in West African forest region, 214
 Posnansky, Merrick, 311–12
 pottery production, 101, 137–8, 175, 242, 289
 poultry, 30–1, 73, 114–15
 Ptolemais, 46
 Ptolemy, Claudius, 231
 Punic language, 46

 al-Qahira, 23–4
 Qasr Ibrim site, 74–5, 89–90, 92–3, 95–6, 98–9
 Qayrawan, 48
 Qsar es-Seghir, 56–9
 Queen of Sheba, 116
 Quseir al-Qadim, 39, 224
 Qustul, 90, 98–100, 102, 106

 radiocarbon dating, 93, 162, 169, 192, 195–8, 203, 205, 212, 260–1, 281–2, 307, 334
 Randall-MacIver, David, 260–1
 Ras Hafun, 239
 Ras Kipini, 228
 Reader, John, 9
 Red Sea, 112, 146–7
 Reid, Andrew, 311–12, 315
 religion, 63–5, 143–4, 293. *See also* Christianity; ideology
 Renders Ruin, 294
 River Lualaba, 302
 River Tana, 236
 rivers. *See specific rivers*
 Robert, Serge, 162
 Robertshaw, Peter, 311–12, 315
 Robinson, Keith, 282
 Roman Empire, 44–7, 51–3, 62
roselle plant, 188
 Rousseau, Jean-Jacques, 34
 Royal City settlement, 84
 Ruanga Ruin, 278–9, 286
 Rubaga, 10
 Rufiji society, 228
 Ryamura, 300–1
 Ryder, A. F. C., 190

 Sabaqura site, 95–6
 Sabratha, 50–1, 53
 al-Sa'di, 149, 154
 saffron, 228–9, 247
 the Sahel region. *See* West African savanna
 salt, as trade, 216
 salt production, 318
 Sanam, 81–2, 88–9
 Sanga, 307–9
 Sanjé ya Kati, 240
saqia (waterwheel), 30, 74, 89, 101, 104
saqia land, 74
 Sassoon, Caroline, 213
 Save River, 262, 266
 schistosomiasis, 74
 Schroda, 270
 Seaward Baths at Sabratha, 53
 secondary states, 7
 Seddenga, 88–9, 107
seluka land, 74
 Sembel, 111
 sesame, 246
shaduf (weighted beam), 30, 74, 101, 104

Index

- shaduf* land, 74
 Shanga, 236–7, 240, 246–50, 254
shangwa, 265
 Shaw, Thurstan, 9
 shea-butter tree, 151–3
 sheep, 3–4, 30–1, 73, 96–7, 114–15, 133, 173, 228–9
 Sheikh Daud site, 95–6
 Shendi Reach, 73
 Shibeli society, 228
 Shinnie, Peter, 70
 Shipton, Parker, 324
 Shirazi immigration, 231–2
 Shona people, 265, 267, 293
Short history of Benin (Egharevba), 190
 Shrine of Apis, 84–6
 Shungwaya peoples, 232
 silver metallurgy, 173–5
 Sinai Peninsula, 19
 Sincu Bara, 161
 Siouré, 161
 The Slave Coast, 185. *See also* West African forest; West African forest region
 slave trade, 217–18, 229
 slavery, in Nubia region, 106
 Sneferu (King), 23
 Soba, 92
 social contract, 34
 social systems
 along East African coast, 250–1
 in Ethiopian and Eritrean highlands, 138–41
 in Far Western Africa, 323–4
 in Great Zimbabwe, 289–91
 in Interlacustrine Region, 323–4
 in North Africa, 61–2
 in Nubia region, 102–3
 in Pharaonic Egypt, 33–5
 in South Africa, 343
 in Upemba Depression, 323–4
 in West African forest region, 212–13
 in West African savanna, 176–8
 Songhay Empire, 10, 154–5
 Songo Mnara, 225, 236, 245, 247–8, 250–1
 Soper, Robert, 195–8
 sorghum, 3–4, 96, 151–3, 172–3, 228–9, 246, 303
 sources of information
 for Aksum site, 145–7
 for East African coast, 231–2
 for Ethiopian and Eritrean highlands, 116–17
 for Far Western Africa, 305–6
 for Great Zimbabwe, 266–7
 for Interlacustrine Region, 305–6
 for Nubia region, 75–6
 for Pharaonic Egypt, 21–2
 for South Africa, 333–4
 for West African forest region, 190–1
 for West African savanna, 154–5
 South Africa
 archaeological evidence in, 334–40
 Difaqane period, 339
 environmental factors in, 330–1
 geographical location, 330–1
 historical evidence in, 333–4
 ideology in, 344–5
 Mfecane period, 333–4, 339, 344
 population pressures in, 344
 settlement patterns in, 337–8
 social systems in, 343
 subsistence economy in, 340–1
 technology in, 341–3
 trade throughout, 345
 Type N settlement units in, 334–7
 Type V settlement units in, 336
 Type Z settlement units in, 336–7
 Soy, 161
 Spear, Thomas, 232
 Speke, John Hanning, 299
 Stahl, Ann Brower, 9, 11
 Stanley, Henry Morton, 10
 state formation
 in Africa, 8, 352–4
 archaeological evidence of, 9–10
 civilization and, 6–7
 irrigation theories, 6–7
 literary sources, 8–9
 secondary, 7
 trade theories, 6–7
 urban centres and, 6
 warfare theories, 6–7
 Staudinger, Paul, 166–7
 stelae, 121–5, 135–6, 143–4
 Suakin, 107–8
 subsistence economies. *See also* animals,
 domestication of; plants, domestication of
 along East African coast, 245–7
 in Ethiopian and Eritrean highlands, 133–4
 in Interlacustrine Region, 320–1
 in North Africa, 59
 in Nubia region, 96–9

Index

- subsistence economies. (cont.)
 in Pharaonic Egypt, 30–2
 in South Africa, 340–1
 in Upemba Depression, 320–1
 in West African forest region, 208–10
 in West African savanna, 172–3
 in Zambezia region, 286–7
- sugar cane, 228–9
- Sun Temple, 84–6
- Sung, 271
- Swahili Corridor, 257–8
- Swahili Culture, 222, 251
- Swan, Lorraine, 285–6
- sweet potatoes, 303
- Ta'akha Mariam, 125–6
- Taharqa, 81–2
- Takedda, 164
- Takrur Empire, 161, 170
- Takwa, 237–8
- Tana society, 228
- Tanzania. *See* East African coast
- taro, 228–9, 247
- Taukome, 271
- technology
 in Benin City, 211
 along East African Coast, 247–50
 in Ethiopian and Eritrean highlands, 135–9
 in Far Western Africa, 321–2
 in Great Zimbabwe, 287–9
 in North Africa, 59–61
 in Nubia region, 99–101
 in Pharaonic Egypt, 32–3
 in South Africa, 341–3
 in Upemba Depression, 321–2
 in West African forest region, 210–12
 in West African savanna, 173–6
- teff, 3–4, 133
- Tegdaoust, 161–2, 164, 175, 180–1
- Temple of Amon, 77
- textile production, 101, 175–6, 249–50
- Thamugadi, 53
- Thatswane, 271
- Thebes, 23–4
- Thorp, Carolyn, 287
- Thugga, 50–1
- Tigray, 120–1
- Timbuktu region, 160–1, 180–1
- Tissalaten, 169
- TIW. *See* Triangular Incised Ware
- tobacco, 210
- Toladie, 161
- Tomb of Abalessa, 66
- Tomb of King Bazén, 124
- Tomb of the Brick Arches, 124, 137–8
- Tomb of the False Door, 123
- Tongo Maaré Diabal, 164, 175
- tophet* (infant cemetery), 49
- Toutswemogala, 271
- Toyla, 169
- trade
 Aksum and, 145–7
 in Benin City, 218–19
 Cinnamon Route, 224
 of domesticated animals, 115
 along East African coast, 229–30, 254–8
 within Ethiopian and Eritrean highlands,
 144–7
 with glass beads, 180, 256, 295–6
 in Great Zimbabwe, 293–7
 in Ife, 218–19
 Igbo-Ukwu and, 206–8, 217
 within Interlacustrine Region,
 325–8
 internal networks for, 350
 with Islamic North Africa, 67
 with ivory, 256, 260–98
 Jenné-jeno and, 183
 in North Africa, 46, 49–50, 65–7
 in Nubia region, 105–8
 Pharaonic Egypt and, 37–9
 along Red Sea, 146–7
 of slaves, 217–18
 in South Africa, 345
 along Swahili Corridor, 257–8
 within Upemba Depression, 325–8
 in West African forest region,
 216–19
 in West African savanna, 179–84
- trans-Saharan trade, 254–5
- Transvaal. *See* South Africa
- Triangular Incised Ware (TIW), 242, 252
- Tsoede Bronzes, 219
- Tswana settlements, 337–9
- tumuli, 167–70
- Tumulus X, 78
- Tunisia. *See* North Africa
- Type N settlement units, 334–7
- Type V settlement units, 336
- Type Z settlement units, 336–7

Index

- Uganda. *See* Interlacustrine Region; Upemba Depression
- Ukunju Cave, 239
- al-Umari, 154
- Unguja Ukuu, 239
- Ungwana, 236
- Upemba Depression, 301–5
 archaeological evidence in, 306–20
 copper metallurgy in, 308–11
 disease in, 304–5
 ideology in, 325
 Kisalian tradition in, 308–10
 population pressures in, 324
 social systems in, 323–4
 subsistence economy in, 320–1
 technology evidence in, 321–2
 trade throughout, 325–8
- Upemba Lake, 302
- urbanization
 in Alexandria, 23–4
 in Great Zimbabwe, 278, 290–1
 historical development of, 5–6
 ideology and, 105
 Islam and, 253–4
 main areas of, 10
 in Meroë, 86–7
 in North Africa, 49–53
 in Pharaonic Egypt, 22–9
 religion and, 144
 sanitation factors and, 11–12
 state formation and, 6
 in West African forest region, 192–8, 206–8
- Uri, 95–6
- Vaal River, 330–1
- Vandals, in North Africa, 47, 62
- Vansina, Jan, 2
- Vogel, Joseph, 9
- The voyage of Pedro Alvares Cabral to Brazil and India*, 231–2
- Vumba Kuu, 238
- Wad ben Naqa site, 88, 99–100
- Wadi Halfa, 72
- Wadi Hariq, 96
- water availability, 44
- waterwheel. *See* *saqia*
- weighted beam. *See* *shaduf*
- West African Early Towns* (Holl), 9
- West African forest region. *See also* Benin City agriculture in, 209–10
- Akan states, 191–2
- archaeological evidence in, 191–208
- Begho site, 191–2
- Bono Manso, 192–5
- Dahomey Gap, 186
- early European contact with, 185–6, 190
- environmental factors in, 186–90
- external trade throughout, 216–19
- geographical location, 186–90
- historical evidence in, 190–1
- ideology in, 215
- Ife, 198, 209, 211, 215
- Igbo-Ukwu, 206–9, 217
- metallurgy in, 210–11
- population pressures in, 214
- social systems in, 212–13
- subsistence economy in, 208–10
- technology in, 210–12
- urbanization in, evidence of, 192–8, 206–8
- Yoruba people in, 195–8
- West African savanna. *See also* Inland Niger delta; Jenné-jeno; Middle Senegal Valley
- archaeological evidence in, 155–70
- burial sites in, 167–70
- environmental factors in, 149–54
- external trade throughout, 179–84
- floodwater farming in, 153
- food shortages in, 149
- geographical location, 149–54
- historical evidence in, 154–5
- ideology in, 179
- metallurgy in, 173–5
- Mobile Elites in, 77–8, 155–7
- population pressures in, 178–9
- pottery production in, 175
- social systems in, 176–8
- subsistence economy in, 172–3
- technology in, 173–6
- textile production in, 175–6
- wheat, 96, 133
- Willett, Frank, 198
- Wilson, Thomas, 238
- X-Group state, 89–92
- yams, 3–4, 151–3, 188, 208, 228–9, 247
- Yeha, 111, 118–20
- Yoruba people, 195–8

Index

- Zambezi River, 228, 262, 266
Zambezia region, 260, 262–6, 286–7, 294–5. *See also* Great Zimbabwe
Zambia. *See* Interlacustrine Region; Upemba Depression
Zanzibar, 225, 239, 247–8
- Zaria, 164
Zilum, 165
Zimbabwe Plateau, 262–6. *See also* Great Zimbabwe
Zulu kingdom, 333–4, 339–40
Zvongombe site, 279