

INDEX

- A'ali:
 goblets, 98, 146
 gold bead, 99
 grave mounds, 80, 84–6, 147
 Royal graves, 103, 146, 148
 Abqaiq, 33, 40, 51, 64
 Abu Khamis, 26, 27, 28, 29
 agriculture:
 Bahrain, 51, 58, 61, 63
 cereals, 126
 dates, 14–15, 27, 44, 63, 144
 Eastern Province, 58
 first evidence of, 28, 31
 late appearance in Arabian peninsula, 21
 Oman peninsula, 105, 107, 144
 rainfall, 9
 techniques improve, 138
 Ain Dar, 30
 Ain Qannas, 21, 24, 26–7, 28–30, 32
 Ajman, 108, 129, 137
 al Ain, 124
 al Da'asa, 26, 32
 al Hajjar:
 grave goods, 35–6, 51, 83
 houses, 70
 subterranean burials, 55, 80, 83, 108
 al Hasa, 41
 al Hiba, 71
 al Khasbah, 112
 al Markh, 19, 26, 28, 31, 32
 al-Rufayah, 44–5, 48
 Altyn Tepe, 74
 Amlah, 117
 an-Nabaghiya, 118
 animal husbandry:
 al Markh, 31
 Bahrain economy, 61
 camel, 108
 domestication, 28, 29, 58, 145
 Eastern Province, 58
 evidence from bones, 144–5
 herding, 28, 31
 Oman peninsula, 107–8
 architecture:
 absence of public buildings, 120, 123, 139
 Abu Khamis, 29
 Ain Qannas, 29–30
 Dosariyah, 29
 Failaka, 70–1
 of *farush*, 31
 fortified circular structures of Oman and Emirates,
 41
 masons, 146
 Oman peninsula, 148–9
 Qala'at, 52–3, 65–6
 rectilinear, 41, 119, 120
 Tarut, 44, 50
 temples, 71–3, 75–8, 146–7
 temporary houses, 140
 tiered structures, 118
 timber, 38
 tower houses, 111–18, 140
 Umm-an-Nussi, 44
 Umm-ar-Ramadh, 44
 Umm-es-Sejour, 78
 variety of forms throughout third and early
 second millennia, 120
 villages of Eastern Arabia and Bahrain, 41
 Asimah, 120, 129, 136
 Babylon, 154–5
 Bampur, 46, 133
 Barbar:
 copper objects, 73–4, 101
 pottery, 35, 74, 131
 temple, 31, 71–5, 76, 146, 153
 well, 146
 Bat, 107, 112, 113, 115–16, 120
 BB19, 114, 118
 beads, 99, 102, 110, 129, 133, 137
 Bida'a, 121
 Bidya, 112, 117, 129
 buildings, *see* architecture
 burials:
 cremation, 128–9
 Eastern Province and Bahrain, 41–3, 58, 102–3
 mounds on Bahrain, 7
 Oman, 43
 Saar, 80
 and settlement, 86

- burials (*cont.*)
 and tower houses, 140
 Site 2, 27–8
 Ubaid, 28
 Wadi Suq period, 139
 Wadi Suq rites, 129
 Bushire, 24, 29
- copper:
 artefacts, 54, 73–4, 129, 136
 becomes essential commodity, 152
 breakdown in supply routes in late Uruk period,
 35, 110
 bull's head, 47
 copper-working settlements, 119, 120
 Cyprus, 154–5
 Early Dilmun period, 99–101
 goat figure, 84
 goblets, 84, 137
 grave goods from Bidya I, 129
 Maysar, 110, 118, 119
 Mesopotamia, 35, 36, 110–11
 mining, 135–6
 Oman, 49, 54, 58, 105
 Qala'at, 54, 55
 trade, 36–7, 110, 153
 in Umm-an-Nar and Wadi Suq periods, 140
- Dalma, 9, 30, 108
 Dariz, 112
 Dhahran:
 black on red goblets, 47
 bulla, 33
 burial mounds, 40, 64, 86–7
 duck weight, 96
 obsidian, 30
 reuse of graves, 42–3
 seals, 93
 sites south of, 27, 31
 Uruk pottery, 33
 Dilmun:
 area, 35, 150
 boats, 15
 in decline, 153–4, 156
 identification with Bahrain, 2
 literary texts, 2–3
 location, 1–2, 150
 marine resources, 15
 Mesopotamia and, 4
 mythology, 3
 name, 4–5, 7, 150, 151
 physical conditions, 8–10
 subsistence strategies, 15, 17
 timber, 38
 trade, 3, 7, 153
 writing, 17–18
 Diraz, 69, 77–8, 87
 Dosariyah:
 agriculture, 28
 evidence of domesticated animals, 21
 herding, 28
 pottery, 21, 24, 26, 29
 settlement, 29
 trade, 32
 Dwarka, 90
 Eridu, 24
 Failaka:
 basic domestic unit, 146
 bitumen, 145
 building, 78–9
 palace, 143
 pottery, 46, 47, 153
 recycling of copper, 101
 relations with Dilmun, 5, 7
 seal workshop, 146
 seals, 92–3, 147
 settlement, 9, 70–1, 79
 settlement continues, 153
 sherd, with seal impression, 93
 steatite, 97
 water storage tanks, 147
 Fariq al-Akhrash, 45
 figurines:
 nude female figurine, 54
 nude male statue, 489
 rams, 78
 fishing:
 Bahrain economy, 51, 61
 camps, 22
 deep sea, 63
 Eastern Province, 58
 Oman peninsula, 105, 144
 pearl fishing, 22
 techniques, 61, 145
 flint, 19, 31, 108
 grave goods:
 al Hajjar, 35, 51, 83
 Bahrain, 56
 Bidya I, 129
 Dhahran, 50, 86–7
 of Dilmun period, 84
 pottery, 26, 56, 110
 stamp seal, 51
 Umm-an-Nar, 127
 Umm-an-Nar and Wadi Suq periods, 140

- graves: see also burials
 on Bahrain, 7, 51, 55–8, 80
 Dhahran mound fields, 50–1, 64, 86–7
 Dilmun period, 80–6, 145–6
 equipment of Bahrain graves, 84
 flint work, 108
 Hafit, 109–10, 118, 150
 nomads, 107
 Oman peninsula, 107, 108–10
 stone-built, 35
 on Tarut, 50
 on Umm-an-Nar, 73, 124, 126–7
 Umm-an-Nar period, 127–9, 140
 Umm-an-Nar type, 127–8
 Wadi Suq period, 129–30, 139, 140, 152
- Hamad town, 55, 87
 Hamala North, 84
 Harappa, 133, 134, 141, 153
 Hili:
 buildings, 41
 burials, 140
 copper alloy, 136
 dates, 107
 economy, 107
 pottery, 132, 134, 139
 tombs, 127–8, 129, 133
 tower houses, 112, 113, 115–17, 118
 wealth and importance, 128
 Hili North, 133
 hunting, 21, 28–9, 105, 144
- Indus valley:
 and Intercultural decoration, 46
 literacy, 17
 and Oman peninsula, 131, 141–2
 pottery, 98, 133
 Qala‘at and, 54
 recession, 153–4
 script, 94
 timber, 38
 trade with Tarut, 50
 weights, 54, 95, 138, 142
 irrigation, 63, 107, 116, 144
- jewellery, 127, 130
- Kalba, 121
 Khor; Khor Ile-sud, 19, 64
 Khutm, 112
- Magan:
 copper, 142, 152
 in decline, 156
 and Dilmun, 4
- economy, 105–6
 location, 104, 151
 trade, 131, 133, 149
- Mari:
 cuneiform texts, 18, 103, 148
 pottery, 45, 135
 strategic importance, 154
- Mattala, 55
- Maysar:
 chlorite vessels, 121
 copper, 110, 136, 140
 donkey skeleton, 108
 economy, 107
 graves, 110, 118, 136
 pottery, 49
 rectangular houses, 119
 seals, 138
 steatite, 97
 stone vessels, 134, 149
 tower house, 112, 113, 114, 118
- Mayzad, 138, 142
- Mesopotamia:
 brickwork, 116
 clay figurine, 54
 copper, 35, 36–7, 55, 110–11, 135–6, 139, 141, 142, 154
 cuneiform texts, 18, 38
 faience, 110
 literacy, 17
 obsidian, 32
 and Oman peninsula, 130, 131, 150
 parallels with Barbar temples, 71
 pottery, 24, 26, 28, 32, 35, 44, 51, 54, 127, 133, 150, 151
 seals, 93, 153
 trade, 3, 58, 139, 141, 149, 150, 153, 156
 trade contacts with Tarut, 47–8, 50
 trade with Dilmun, 153, 156
 Ubaid burials, 28
 weights, 95, 96
 metalwork, 99–101
 Mohenjo-Daro, 78, 90
- Nadqan, 138, 142
 Nasiriyah, 100
 Nippur, 54, 155
 Nizwa, 118
 Nud Ziba, 121
- oases, 10, 22, 33, 107
 Oueili, 24
- pottery:
 grave pots, 56, 84, 86, 98

pottery (*cont.*)

- jars from Hafit type graves, 109–10
- potters, 139, 140
- trade, 149–50
- periods:*
 - Dilmun, 98–9
 - Early Dynastic, 44, 150–1
 - second millennium, 146
 - Ubaid, 24, 26, 27, 29, 30, 31, 32, 108
 - Umm-an-Nar, 44, 132–3
 - Uruk, 33, 44, 150
 - Wadi Suq, 134
- types of:*
 - Barbar ware, 78, 86, 134
 - canisters, 99
 - chain-ridge ware, 44, 53–4
 - Jemdat Nasr, 35, 44, 51, 110, 111, 150
 - Mesopotamian, 54
 - Umm-an-Nar, 49, 50, 51, 54, 57, 86
 - Uruk, 33
 - Wadi Suq wares, 86, 98

Qala'at al Bahrain:

- absence of grave mounds, 86
- Amorite tablet, 90
- bitumen, 152
- buildings, 65–6
- beads, 102
- copper, 54, 55, 99
- dating, 52–5
- dogs, 144
- donkey, 61
- findings of Danish expedition, 52–5
- Early Dilmun seals, 90–1
- fishing, 61
- goblets, 98
- metal-working and pottery-making, 58
- position, 52
- pottery, 8, 53–4, 133
- seal workshop, 146
- seals, 65, 88
- walls, 65, 79, 143
- weights, 65

Qarn Qarhat la Hwid, 118

Qattarah, 129, 140

Ras Abaruk, 32, 108, 134

Ras al Amiyah, 24

Ras al Hadd, 133

Ras al Junayz, 122–3, 133, 138, 141, 142

Ras al Khaimah, 26

Ras Ghanadha, 107, 120, 133, 136

Saar, 33n

- agriculture, 63
- bitumen beads, 102
- construction of graves, 81
- copper-working, 100–1, 146
- grave pot, 98
- honeycomb grave complex, 56, 80, 83
- houses, 68–9, 79, 153
- layout of settlement, 66–8
- seals, 87–8, 93, 147
- sheep, 144
- subsistence base, 61
- temple, 54, 75–7, 147, 153
- weights, 95

sea:

- deep sea fishing, 63
- levels, 8–9, 32–3, 104–5, 144
- marine-based economy, 29
- marine resources, 145
- subsistence strategies, 15, 17, 21

seals:

- bullae, 33–4
- cylinder, 17
- Dilmun, 78, 79, 83, 84, 87–94, 153, 156
- impressions, 94
- Jemdat Nasr, 35–6, 51, 83, 87
- materials, 90, 137, 145, 155
- motifs, 90, 91–2
- Persian Gulf, 18, 55, 87, 88, 90, 92
- rarity of, 138
- specialists, 146
- stamp seals, 17
- found at:*
 - Barbar, 74–5
 - Diraz, 78, 87
 - Failaka, 79, 147
 - al Hajjar, 83, 84
 - Hamad town, 87
 - Qala'at, 65
 - Ras al Junayz, 123
 - Saar, 84, 87–8, 147

settlement:

- Bahrain, 51–5
- evidence from Eastern Arabia, 43–50
- Oman peninsula, 148–9
- Tarut, 40
- in Umm-an-Nar period, 140

Shimal:

- grave goods, 129, 131, 134
- metal objects, 137
- seal, 138
- stone-built rectilinear structures, 121
- stone tombs, 129–30

- Umm-an-Nar sherds, 139
- weights, 138
- social structure, 43, 145–8
- stone vessels:
 - dot and circle decoration, 46, 49, 97
 - Hut pot, 80
 - Intercultural style, 45–6, 90, 127
- Sumer, 48, 49, 72, 155
- Susa:
 - canisters, 99
 - Dilmun seals, 93
 - literacy, 17
 - in Old Babylonian period, 156
 - temple to Inzak, 79, 93, 156
 - 'trans-Elamite culture', 46
- Tarut island:
 - cist graves, 50
 - nude male statue, 48–9
 - pottery, 45–6, 47, 49, 50
 - settlement, 40, 44–5, 50
 - softstone vessels, 135
 - stone-working, 49, 50, 58
 - trading network, 47–8, 50
- Tawi Said, 121
- Tawi Silaim, 110
- Tell Abraq, 26
 - buildings, 41
 - burials, 140
 - camel bones, 108
 - diet, 107
 - manufacturing, 119
 - pottery, 26, 131, 134, 150, 152
 - sea-related economy, 107
 - seal, 138
 - summer houses, 120
 - survival in second millennium, 139
 - tower house, 112, 117–18, 119, 128
 - Umm-an-Nar grave, 128
 - weights, 138
- Tell al Ubaid, 71
- Tell ar-Ramadh, 120
- Tell es Sufouh, 128
- Tells:
 - F6, 78
 - Failaka, 70, 71
 - on Tarut, 44
 - Tell sites, 28, 52
 - Umm-an-Nussi, 44
- Tepe Yahya:
 - Intercultural style, 45, 46
 - mid third-millennium sherds, 133
 - seal, 90
 - softstone vessels, 45, 46, 135
- timber:
 - acacia and tamarisk, 63
 - for copper-working, 100
 - imported, 145
 - palm trees, 63, 145
 - sources, 38, 155
 - trade, 7
- tombs, *see* graves
- tools:
 - Abu Khamis, 29
 - copper hoe, 99
 - Dosariyah, 29
 - evidence of hunting and cultivation, 21
 - flints, groups A–D, 19
 - third-millennium metal, 136
- trade:
 - barter, 32
 - copper, 7, 36, 55, 111, 121, 131, 139, 142, 153
 - Dilmun long-distance, 147
 - Euphrates, 154, 155
 - exchange mechanisms, 27, 28
 - perishable goods, 152
 - pottery, 36, 111
 - sheep, 144
 - Susa, 99
 - timber, 7, 155
 - Umm-an-Nar and Wadi Suq period, 140–2
- Umm al Qawain, 26, 108
- Umm-an-Nar:
 - burial mounds, 57–8
 - camel bones, 108
 - carnelian bead, 133
 - copper, 150
 - entrepot, 36
 - metal-working, 119
 - pottery, 133, 150
 - rectilinear buildings, 41
 - sea-based economy, 107
 - softstone vessels, 135
 - stone-built houses, 120
 - tombs, 43, 73, 108, 119, 124, 126–7
 - workshop or magazine, 120
- Umm-an-Nussi, 33, 40, 44, 120
- Umm-ar-Ramadh, 40, 44
- Umm-es-Sejour, 63, 78, 146–7
- Umm Jidr, 55, 86
- Ur:
 - decline, 154, 155
 - nickel, 136
 - pottery, 24, 98

170

Ur (*cont.*)

Royal Cemetery, 136

seals, 55, 90, 93

trading port, 154

Uruk, 24, 33, 34, 150

Wadi Bahla, 112, 118

weights:

imports from Indus valley, 138

Indus valley, 54, 131, 142

Qala'at, 65

Index

Saar, 66

third-millennium duck, 50

writing:

cuneiform script, 38, 94

date of emergence, 17

likelihood of Dilmun literacy, 94–5

seals, 18, 138

Sumerian texts, 48

Zahra, 120, 136