

## INDEX

- Acanthus, 75  
*see also* Corinthian order
- Achaemenian  
 rule at Taxila, through satraps, 11  
 influence on standard weight of coins, 11  
 influence on shape of seals and beads, 57  
 introduction of Aramaic in the North-West, 11, 74
- Acropolis, Sirkap, 61, 64
- Akhaurī (= Chir Tope B), 6, 125-6
- Alexander the Great, his campaign in the North-West, 11-13
- Aphrodite, gold figure at Sirkap, 76
- Apollonius of Tyana, *see* Philostratus
- Apsidal temples  
 Sirkap, 75, 77-9  
 Dharmarājīkā, 116  
 in favour under the Kushāns, 131  
 Kālawān, 133-4
- Aramaic, 11, 74  
 introduced by the Achaemenians in the North-West, 11  
 origin of Kharoshthī, 11  
 inscription at Sirkap, 11, 74
- Arch  
 no relieving arches at Taxila, 139  
 corbelled arch at Giri, 146
- Arrian, 3
- Arthasāstra*, 15, 18 n. 1
- Artists  
 from the West, 77  
 one artist or family of artists at Kālawān, 136
- Ascetics, noticed by the Greeks, 13
- Aśoka, 15-17, 74  
 his pillars imitated: at Sirkap, 72 n. 1; at Dharmarājīkā, 104  
 his stūpas, 102 (Dharmarājīkā), 150 (Kunāla), 178 (Bhallar)
- Atlantes  
 Giri, 147  
 Mohrā Morādu, 159  
 Jauliāñ, 165, 167
- Avadānakalpalatā*, 10, 151 n. 1
- Bactria, trade, 59
- Bactrian Greeks  
 founded Sirkap, 60  
*see also* Greek; Hellenistic; Indo-Greek
- Bādālpur, 8, 181
- Basements at Sirkap after the earthquake, 29-30
- Bastions  
 rectangular at Sirkap, 5, 62, 93  
 semicircular at Sirsukh, 5, 92-3  
 in monasteries and private houses, 120 (Dharmarājīkā), 176 (Bhamāla)  
 semi-circular at Giri, 144
- Bathrooms  
 Dharmarājīkā, 121  
 Kālawān, 140  
 Mohrā Morādu, 158, 160  
 Jauliāñ, 167
- Bhallar, 8, 150, 178-9
- Bhamāla, 7-8, 171-7
- Bhīr Mound, 4-5, 47-59  
 four successive settlements, 4, 47
- Brackets  
 Dharmarājīkā, 103, 108  
 Kunāla, 152  
 Lālchak, 180
- Brāhmī  
 Besnagar inscription, 21-2  
 coin legends, 35-6, 177  
 Gupta seals, 107-8, 170  
 manuscripts, 170
- Brass  
 invented by the Greeks(?), 23  
*see also* Bronze
- Bricks  
 mud bricks at Bhīr Mound, 4  
*see also* Masonry
- Bronze  
 alloys and casting, 22-3  
 Bhīr Mound, 58  
 Sirkap, 76 (statuette of Harpocrates), 82  
*see also* Brass; Minor antiquities
- Buddha  
 image, 34-5  
*see also* Colossal Buddha statues

## Index

- Building methods  
 Bhīr Mound, 55  
 Sirkap, 29–30  
 Jaṇḍiāl, 86–7  
*see also* Masonry; Mud; Timber
- Ceramics, *see* Pottery
- Ceylon  
 Buddhist relics from Dharmarājikā  
 Stūpa presented to, 106
- China, trade, 58
- Chir Tope  
 = Dharmarājikā (q.v.)  
 A, 6, 125  
 B = Akhaurī (q.v.)  
 C, 6, 126–7  
 D = Khādeṛ Mohṛā (q.v.)
- Clay  
 stūpa at Kālawān, 138  
 sculpture at Kālawān, 138, 141–2;  
 at Jauliāñ, 168  
 modelling in clay, 169  
 sealings, *see* Sealings  
 votive tanks, *see* Tank
- Coinage  
 Persian standard, 11  
 Maurya coinage, 18 n. 1  
 Mithridates I's coinage, 20 n. 1  
 Greek influence, 22, 23  
 Śāka coinage, 25–6  
 Parthian coinage, 20 n. 1, 30  
 Soter Megas, 32  
 Kushān coinage, 32, 33, 35–6  
 Sasānian coinage, 36  
 Ephthalite coinage, 38  
*see also* Coins; Gold; Punch-marked  
 coins; Silver
- Coins  
 Bhīr Mound, 57–8, 59  
 Sirkap, 70, 72, 76, 82, 91  
 Sirsukh, 94  
 Dharmarājikā, 104, 105, 106, 109,  
 110, 111, 112, 118, 120, 122  
 sites east of Dharmarājikā, 128  
 Giri, 149  
 Mohṛā Morādu, 160–1  
 Pippala, 163  
 Jauliāñ, 170  
 Bhamāla, 173–4, 177  
 Lālchak, 179–80  
 Bādālpur, 181  
*see also* Coinage
- Colossal Buddha statues  
 Dharmarājikā, 109
- Giri, 147  
 Mohṛā Morādu, 159  
 Jauliāñ, 166
- Colour paint  
 Sirkap, 65, 67, 70–1, 73, 75  
 Dharmarājikā, 109  
 Kālawān, 140  
 Giri, 148  
 Mohṛā Morādu, 159  
 Pippala, 163  
 Jauliāñ, 166
- Copper, *see* Bronze
- Corbelled vault, *see* Vault
- Corinthian order  
 Sirkap, 73  
 Dharmarājikā, 103, 108, 119  
 Site A east of Dharmarājikā, 125  
 Kālawān, 131, 132, 138, 142  
 Giri, 145, 147  
 Kunāla, 152  
 Pippala, 163  
 Bhamāla, 172, 173  
 Bhallaṛ, 178  
 Lālchak, 180
- Cupid, gold medallion at Sirkap, 76
- Curvature of plinth, as optical cor-  
 rective(?), at Kunāla, 152
- Death of the Buddha represented in  
 stucco at Bhamāla, 172–3
- Defences  
 Bhīr Mound, 4  
 Kacchā Koṭ, 5  
 Sirkap, 5, 62–4, 82, 84, 91, 93  
 Sirsukh, 5, 92–3  
 in monasteries, 120–1 (Dharmarā-  
 jikā); 171, 176 (Bhamāla)  
 Giri, 143–5  
*see also* Acropolis; Bastions; Loop-  
 holes
- Deities, Bhīr Mound, 56, 59
- Dharmarājikā, 4–5, 6, 16, 99, 102–23
- Diaper masonry  
 introduced by the Parthians after  
 the earthquake, 5, 70, 107, 124,  
 127–8  
*see also* Masonry
- Dionysus, silver head at Sirkap, 76
- Dīpavamśā*, 10
- Divyāvadāna*, 178 n. 2
- Doors and doorways  
 wooden door bound with iron at  
 Jaṇḍiāl, 87  
 door-framing at Kālawān, 139

## Index

- Doors and doorways (*cont.*)  
 low doorways at Jauliāñ, 168  
 well preserved doorway at Bhamāla, 176
- Double-headed eagle, shrine of the, 73-4
- Dowels, Jañḍiāl, 86
- Drainage  
 Bhiṛ Mound, 50, 54  
 Sirsukh defences, 93  
 Dharmarājikā, 119, 121, 122  
 Giri, 148  
 Mohṛā Morādu, 158  
 Pippala, 162  
*see also* Soak-wells
- Eagle  
 motif, 73  
 shrine of double-headed, 73-4
- Earthquake (about A.D. 30), 26, 29, 65, 72, 75, 77, 83, 91, 105, 106, 107, 112, 117, 127-8
- Elephant  
 Mohṛā Morādu, 159  
 Jauliāñ, 165  
 Bhamāla, 173
- Ephthalites, 38-9, 121-3, 145, 154, 177, 179-80
- Era  
 Vikrama era of 58 B.C. = era of Azes, 25  
 Śaka era of A.D. 78, 32
- Eros and Psyche on a seal at Sirkap, 79-80
- Fa Hien, 98
- Fire  
 great fire in 5th century at Jauliāñ, 169-70  
 at Bhamāla, 176-7
- Flooring  
 of beaten earth at Kālawān, 131  
 earth on stone flags at Bhamāla, 176-7  
*see also* Pavement
- Fortification, *see* Defences
- Gandhāra School of Art,  
 Early School, 33-5, 172-3  
 Later School, 36-8
- Gateways, Sirkap, 63-4
- Ghai, 7, 154-5
- Giri, 6, 143-9
- Glass tiles  
 in pavement at Dharmarājikā, 104, 117  
 at Kālawān, 104, 117, 133
- Gold  
 coinage of the Kushāns, 32  
 figure of Aphrodite, 76  
 medallion of Cupid, 76  
 gold-leaf cover of relic caskets, 133  
 ornament from Giri, 148  
 paint at Pippala, 163  
 gold-leaf covering stucco figures at Jauliāñ, 167, 169  
*see also* Jewellery
- Graeco-Bactrian, *see* Indo-Greek
- Graeco-Roman, *see* Hellenistic
- Greek  
 arts and crafts, 22-3  
 accounts of Taxila, 3, 13  
 rule at Taxila, 19-24  
 influences, 22-3, 31, 57-9, 81, 152  
 language, 23-31  
 graffiti at Sirkap, 23  
 coins at Bhiṛ Mound, 57, 59  
 legendary tales, 17, 151 n. 1  
 cursive script on coins, 177  
*see also* Bactrian Greeks; Hellenistic; Indo-Greeks; Jañḍiāl
- Gṛiha-stūpa  
 in octagonal or round chamber, *see* Apsidal temple  
 in square chamber, 135
- Harpocrates, statuette at Sirkap, 76
- Hellenistic  
 hellenistic character of Parthian material culture, 31, 34  
 'black' and 'embossed' ceramics at Bhiṛ Mound, 57  
 ivory ram's head, 59  
 pottery at Bhiṛ Mound, 59  
 town-planning, 5, 22, 61  
 work imitated, 77, 81  
 influences, 81, 82, 84, 99, 111, 152, 157 (treatment of drapery folds)
- Hepthalites, *see* Ephthalites
- Hindu Śāhis, *see* Śāhis
- Hindu shrine, Pillared Hall at Bhiṛ Mound = Hindu shrine(?), 56-7
- House plan  
 Bhiṛ Mound, 51-2, 56  
 Sirkap, 66-7, 71, 72, 75-6, 81-2  
 dwelling-house plan as origin of monastery's plan, 101  
*see also* Plan

## Index

- Hsüan Tsang, 3, 17, 38, 39, 98, 150, 153, 178, 179  
 Human remains, 122–3
- Imitation  
   local imitations of Hellenistic work, 77  
   *see also* Greek; Hellenistic
- Importation from the West, 58
- Independent rule at Taxila, 18–19, 39–40
- Indo-Greek  
   rule at Taxila, 19–24  
   influence on Mithridates I's coinage, 20 n. 1  
   *see also* Greek; Hellenistic
- Inscriptions  
   Besnagar, Brāhmī, 21–2  
   Sirkap: Aramaic, 11, 74; Greek graffito, 23  
   Mahal, Kharoshthī, 84  
   Dharmarājikā: Brāhmī, 107–8 (Gupta sealing); Kharoshthī, 113–14 (silver scroll), 116 (stone lamp)  
   Kālawān, Kharoshthī, 129–34  
   Jauliāñ: Kharoshthī, 165–7; Brāhmī, 170 (Gupta seals)  
   *see also* Manuscripts
- Ionic order  
   pillars at Jaṇḍiāl, 22, 85, 86, 87  
   pilasters at Pippala, 163
- Iranian influences, *see* Achaemenian
- Iron  
   Bhiṛ Mound, 58  
   Mohṛā Morādu  
   shaft supporting umbrellas of stūpa, 159
- Ivory  
   Bhiṛ Mound, 59  
   Dharmarājikā, 113  
   Giri, 146
- Jaina  
   stūpas north of Jaṇḍiāl(?), 8  
   accounts of Taxila, 10  
   Jainas at Taxila under the Parthians, 30  
   stūpas at Sirkap(?), 66, 68–9, 71–2  
   Jamāl-Gaṛḥī Stūpa copied from Dharmarājikā, 99  
   Jaṇḍiāl, 8, 22, 85–90  
   *Jātaka*, 10, 23, 61, 115  
   Jauliāñ, 7, 164–70
- Jewellery  
   Bhiṛ Mound, 58, 59  
   Sirkap, 76, 79, 80  
   Dharmarājikā, 110  
   Jauliāñ (bejewelled miniature stūpa), 166  
   *see also* Gold
- Justin, 20 n. 1
- Kacchā Koṭ, northern suburb of Sirkap, 5, 84
- Kalanos, 13 n. 1
- Kālawān, 6, 129–42
- Kanishka, 33  
   stūpa at Peshawar, 153
- Kaṅjūr  
   Bhiṛ Mound, 48, 53, 54  
   Sirkap, 62, 67, 73, 77  
   Dharmarājikā, 112, 116; as core of images, 109  
   sites east of Dharmarājikā, 125–6  
   Kālawān, 131, 138  
   Giri, 145, 147  
   Mohṛā Morādu, 159  
   Bhamāla, 172  
   *see also* Masonry
- Kashmir rule at Taxila, 39
- Kauṭilya, *see Arthaśāstra*
- Khādeṛ Mohṛā (= Chir Tope D), 6, 127
- Kharoshthī, 11, 22, 23, 74  
   Mahal, 84  
   Dharmarājikā, 113–14, 116, 165–7  
   Kālawān, 129, 134  
   Jauliāñ, 165–7
- Kidāra Kushāns, 36–8
- Kunāla, 7, 17, 150–3
- Kushān rule at Taxila, 31–8
- Lālchak, 8, 179–80
- Layout  
   of buildings, *see* Plan  
   of cities, *see* Town-planning
- Legends  
   on history of Taxila, 10  
   Greek legends, 17, 151 n. 1  
   on Sirkap and Sirsukh, 60
- Lime plaster  
   appears under Bactrian Greeks, 48  
   *see also* Plaster
- Limestone  
   Bhiṛ Mound, 48, 53, 54, 55  
   Sirkap, 62  
   Jaṇḍiāl, 89

## Index

- Limestone (*cont.*)  
 Sirsukh, 92, 94 (foundations at Tofkiāñ)  
 sites east of Dharmarājikā, 125  
 Kālawān, 131  
 Kunāla, 153  
 Bhamāla, 172  
*see also* Masonry
- Lion  
 lions crowning columns, 72 (Sirkap), 104 (Dharmarājikā)  
 tiers of lions, 147 (Giri), 165 (Jauliāñ)  
 brackets at Bhamāla, 192–3
- Loopholes  
 Sirkap, 62  
 Sirsukh, 62, 92–3
- Mahābhārata*, 10  
 Mahal, 82–4  
*Mahāparinirvāṇa*, *see* Death of the Buddha  
*Mahāvagga*, 140  
 Manikiāla Stūpa, 99  
 Manuscripts in Brāhmī, 122 (Dharmarājikā), 170 (Jauliāñ)
- Marble, 74
- Masonry  
 Bhīṛ Mound: mud bricks, 4; rubble, 47–8  
 Sirkap: mud and boulders(?), 71; rubble, 5, 29, 62, 67, 70, 81–2; diaper, 29, 70, 75, 78  
 Mahal, rubble repaired with diaper, 83  
 Jaṇḍiāl: rubble, 86, 88; semi-ashlar, 89  
 Sirsukh: rubble core, 92; diaper, 5, 92–4, 107; semi-ashlar, 94, 107  
 Dharmarājikā: rubble, 103, 110, 112, 117; diaper, 107, 110, 112, 114–17; semi-ashlar, 103 (facing), 109–10, 112, 118–20  
 Sites A, B, C, D, 124–8  
 Kālawān: three types, 130; diaper 1st type, 131–3, 135, 140; diaper 2nd type, 132, 135, 142; semi-ashlar, 130–3, 135, 140, 142  
 Giri: diaper, 147–8; semi-ashlar, 143–4, 145, 147  
 Kunāla, semi-ashlar, 153  
 Ghai, semi-ashlar, 154  
 Mohṛā Morādu, diaper and semi-ashlar, 160  
 Pippala, diaper and semi-ashlar, 161, 163  
 Jauliāñ, 165–6  
 Bhamāla, 172, 176  
 Lālchak, 179, 181  
*see also* Bricks; Kañjūr; Limestone; Mud walls; Sandstone; Timber
- Mathurā, 74  
 Mauryan rule at Taxila, 14–18  
 Megasthenes, 15, 18  
 Mesopotamian influences, 69–70  
*Milindapañha*, 21  
 Minor antiquities  
 Bhīṛ Mound, 57–9  
 Sirkap, 70 (royal palace), 73, 76, 79 (apsidal temple), 80–1, 82  
 Mahal, 83–4  
 Sirsukh, 94  
 Dharmarājikā, 104–5, 105–6, 107–8, 109, 122  
 Giri, 146, 148–9  
 Jauliāñ, 170  
 Lālchak, 179–80  
*see also* Coins; Sculpture
- Mohenjodaro Stūpa, 132  
 Mohṛā Morādu, 7, 156–61  
 Monasteries, 95–7, 100–1, 117, 160  
 Dharmarājikā, 117–22  
 Sites A, B, C, D, 124–8  
 Kālawān, 136–41, 142 (exceptional plan)  
 Giri, 145–9  
 Kunāla, 153–4  
 Ghai, 154–5  
 Mohṛā Morādu, 158–61  
 Pippala, 161–3  
 Jauliāñ, 167–8  
 Bhamāla, 175–7  
 Lālchak, 179
- Mud brick, Bhīṛ Mound, 4  
 Mud plaster, *see* Plaster  
 Mud walls  
 used with timber at Bhīṛ Mound, 4  
 Kacchā Koṭ, 5, 84  
 Treḍi Ghār, 6  
 Sirkap, with boulders(?), 71  
 Kālawān, 138–9; mud and boulders, 140  
 Pippala, mud and rubble, 162  
*see also* Masonry
- Navel, circular hole at navel of statue, 166  
 Nickel, 23, 58

## Index

- Paint**  
 whitewash in relic chamber at Kālawān, 132  
 whitewash in monastery at Kālawān, 140  
*see also* Colour paint  
 Palace, *see* Royal palace  
**Parthian**  
 conquest in the East, 20 n. 1  
 rule at Taxila, 27–31  
 city of Sirkap, 29  
**Pavement**  
 Bhiṛ Mound, cobble-stones, 49, 52  
 Sirkap, cobble-stones, 81  
 Dharmarājikā, glass tiles, 104, 117  
 Kālawān, glass tiles, 133; pebble and stone flags, 131, 140  
 Bhamāla, stone flags, 176–7  
 Lālchak, stone slabs, 180  
*see also* Flooring  
*Periplus of the Erythraean Sea*, 30  
 Persepolitan columns, Sirkap, 72  
 Persian influences, *see* Achaemenian  
 Peshāwar, Kanishka's stūpa, 153  
 Philostratus, 28–9, 31, 69, 88–9  
 Pillared Hall, *see* Pillars  
**Pillars**  
 Bhiṛ Mound, 55–7  
 Sirkap, 73–4  
 Kālawān, 137  
 Mohṛā Morādu, 160  
*see also* Corinthian; Ionic; Persepolitan  
 Piṇḍ Gākhṛā, 6, 94  
 Piṇḍorā, 94  
 Pippala, 7, 161–3  
 Plague, 26, 30, 91  
**Plan**  
 of houses, *see* House-plan  
 of cities, *see* Town-planning  
 of stūpas, *see* Stūpa  
 palace at Sirkap, 69–70  
 palace at Mahal, 82  
*vihāra*, 100–1, 117–18, 119; *see also* Monastery  
 monastery antedating the quadrangular *vihāra*, 116, 120  
**Plaster**  
 Bhiṛ Mound, mud plaster, 48  
 Sirkap, 65, 67, 70  
 Jaṇḍiāl, 86  
 Dharmarājikā, 103 (modelling), 104, 117, 110, 125–6  
 Kālawān, 132, 140  
 Giri, 145, 147 (reliefs), 148  
 Kunāla, 152–3  
 Mohṛā Morādu, 159  
 Pippala, mud plaster, 162  
 Jauliāñ, 166 (miniature stūpa), 169  
 Bhamāla, 172, 176  
*see also* Lime plaster; Stucco  
 Plutarch, 3  
**Pottery**  
 vessels used in soak-wells at Bhiṛ Mound, 53–4  
 black ware at Bhiṛ Mound, 57  
 embossed ware at Bhiṛ Mound, 57  
*see also* Clay; Terracotta  
 Prehistoric remains, none discovered at Taxila, 10–11  
 Procopius, 38  
 Psyche, *see* Eros  
 'Punch-marked' coins, 11, 18 n. 1, 57–8, 59  
*Rāmāyaṇa*, 10  
 Refuse bins  
 Bhiṛ Mound, 50, 53  
*see also* Drainage  
 Relic chamber  
 Kālawān: large and whitewashed, 132; absent, 135  
 Jauliāñ, unusually tall and narrow, 166  
 Bhallaṛ, 178  
 Relics and relic-caskets  
 Sirkap, 72, 74, 80  
 Jaṇḍiāl, 89–90  
 Dharmarājikā, 105–6, 110, 112–13, 118  
 Kālawān, 133–4, 135  
 Jauliāñ, 166  
 Lālchak, 181  
**Roof**  
 Bhiṛ Mound, 52–3  
 Sirkap, 71  
 Jaṇḍiāl, 87  
 Kālawān, 131  
 Lālchak, 179  
*see also* Timber  
 Royal palace  
 Sirkap, 29, 30, 67–70  
 Mahal, 82–4  
 Śāhis, Turki and Hindu Śāhis of Kābul and Ohind, 39–40  
 Śaka  
 rule over Taxila, 24–7

*Index*

- Śaka (cont.)**  
 Greek influence on the Śakas, 26  
 coinage, 25–6  
 era of A.D. 78, 32
- Sāñchī, 99**
- Sandstone**  
 Sirkap, 67  
 Jañdiāl, 67, 86  
*see also* Masonry
- Saṅghārāma, see* Monasteries
- Sasanian**  
 invasion of Ardashīr, 33  
 invasion of Shāpur II, 36  
 destructions, 120
- Satrapal government**  
 set up by the Achaemenians, 11  
 under the Greeks, 23  
 under the Śakas, 25
- Scaraboid shape, Bhīr Mound: beads,**  
 57; seal, 59
- Schist sculpture**  
 Dharmarājīkā, 115  
 Kālawān, 134  
 Giri, 148–9
- Screen-wall, 117; in a cell at Kālawān,**  
 140
- Sculpture**  
 clay, *see* Clay  
 stone, *see* Schist  
 stucco, *see* Stucco  
 terracotta, *see* Terracotta
- Scythians**  
 double-headed eagle motive, 73  
*see also* Śaka
- Seals and Sealings**  
 clay or plaster sealings, 99, 107–8  
 (Dharmarājīkā)  
 steatite Gupta seal, 161 (Mohrā  
 Morādu)
- Semi-ashlar masonry, see** Masonry
- Sewage, see** Drainage
- Shell**  
 shell-worker's shop at Bhīr Mound,  
 52  
 shell bangles imbedded in plaster at  
 Dharmarājīkā, 104
- Siberia, ivory, 59**
- Silenus, see** Dionysus
- Silver**  
 Śaka coinage, 25–6, 32  
 head of Dionysus, 76  
*see also* Jewellery
- Sirkap, 5, 22, 28–9, 60–84**  
 seven strata, 64–5, 81–2  
 acropolis, 61–4  
 Buddhist monuments, 66, 73–4, 75,  
 77–9  
 Jaina monuments(?), 66, 68–9, 71–2  
 Sirsukh, 91–4  
 founded by the Kushāns, 5, 32  
 probable existence of Buddhist  
 monuments, 95  
 passage of Hsüan Tsang, 150  
 Sites, selection of sites by Buddhists,  
 6–7, 95–7, 129, 143, 165, 171  
 Skeletons, 122–3  
 Slate  
 slabs for lining drains and paving  
 bathrooms at Bhīr Mound, 54  
 scaraboid seal from Bhīr Mound, 59  
 Soak-wells  
 Bhīr Mound, 53–4  
 Sirkap, 53 n. 1  
 Spring, at Giri, 143–4  
 Stairways  
 Kālawān, 136, 142  
 Giri, 145–6, 148  
 Ghai, 155  
 Mohrā Morādu, 159  
 Pippala, 162  
 Jauliāñ, 168  
 Bhamāla, 175  
 Lālchak, 179  
 Strabo, 3, 13 n. 1  
 Street level, 49  
 Strong-room: Sirsukh, 94; Kālawān,  
 136, 140, 141  
 Stucco  
 facing masonry, 73  
 λίθος κογχυλιότης 'stone covered with  
 stucco', 89  
 reliefs: Sirkap, 73, 75; Dharmarā-  
 jīkā, 109, 114–15, 118; Kālawān,  
 131–2, 136; Giri, 148; Mohrā  
 Morādu, 156–7, 159; Pippala,  
 163; Jauliāñ, 166–9; Bhamāla,  
 172–3, 177  
 reliefs of the 1st Gandhāra School,  
 114–15  
 Stūpa, 98–100  
 Sirkap: Jaina, 66, 68–9, 71–2;  
 Buddhist, 66, 73–5, 77–9  
 Jañdiāl, 89–90  
 Dharmarājīkā, 103 (circular), 116  
 (octagonal), 117 (circular)  
 Kālawān: circular, 131–2; square,  
 133, 138, 142; unusual design, 138  
 Giri, 145, 147 (square)

## Index

- Stūpa (*cont.*)  
 Kunāla, 152, 153 (square)  
 Mohrā Morādu, 159 (circular)  
 Bhamāla: cruciform, 172; fluted, 174  
 Lālchak, 180 (square)  
*see also* Aśoka; Gṛiha-stūpa; Jamāl-Garhī; Manikiāla; Mohenjodaro; Peshāwar; Umbrella
- Sung Yun, 38, 77  
 Syria, trade, 28 n. 1
- Tank  
 Dharmarājikā, 110–11  
 ritual terracotta tanks at Sirkap, 68–9, 80
- Tāranātha, 33
- Temples  
 Sirkap, Buddhist, 66  
 Dharmarājikā, Buddhist apsidal temple, 116  
 Jaṇḍiāl, Ionic, *see* Jaṇḍiāl
- Terracotta  
 Dharmarājikā, 56  
 Kālawān, 138, 141  
 Mohrā Morādu, 161  
 Jauliāñ, 169–70  
 Bhamāla, 176  
*see also* Clay; Tank
- Thomas, St, 27–8
- Timber  
 Bhiṛ Mound, in mud walls, 4  
 Sirkap, 71; beams in the masonry, 67, 78  
 Jaṇḍiāl, superstructures and door, 87  
 Sirsukh, beams in the masonry, 93  
 Kālawān; deodar in roofs, 131; door-frames, 139; staircase, 136; pillars, 137  
 Kunāla, charred, 154  
 Bhamāla, 176 (perished lintel), 177  
 Lālchak, 179  
*see also* Masonry
- Tofkiāñ, 6, 94
- Town-planning  
 irregular at Bhiṛ Mound, 4, 22, 28–9, 48–9  
 Hellenistic pattern at Sirkap, 5, 22, 61, 81–2  
 Central-Asian or Kushān at Sirkap, 5, 92, 93
- Trade  
 routes, 1–2, 18, 31  
 with Syria, 28 n. 1  
 with China, 58  
 with Bactria, 59  
 with the West, 58
- Treḍi Ghār, suburb of Sirsukh, 6  
 Turki Śāhis, *see* Śāhis
- Umbrellas of stūpa at Mohrā Morādu, 159–60
- Unbaked brick, *see* Mud brick
- University of Taxila, 23–4
- Vault, corbelled, at Giri, 146  
*Vihāra*, *see* Monastery
- Watch-tower in monasteries, 120  
 (Dharmarājikā), 176 (Bhamāla)
- Water supply  
 Bhiṛ Mound, 54–5  
 Sirkap, 63  
 Kālawān, 129  
 Giri, 143, 144  
 Jauliāñ, 164–5
- Well  
 soak-wells for sewage at Bhiṛ Mound, 53–4  
 absence of wells for water supply at Bhiṛ Mound, 54–5  
 soak-wells at Sirkap, 53 n. 1  
 well at Kālawān, 129  
 wells at Jauliāñ, 165
- Western artists, *see* Artists
- Western Asia, influence, 81
- Wheel-guard, Bhiṛ Mound, 49–50
- White Huns, *see* Ephthalites
- Windows  
 Bhiṛ Mound, 52 (slits)  
 Sirkap, 67 (slits), 76, 79  
 Jaṇḍiāl, 85  
 Dharmarājikā, 120  
 Kālawān, 142  
 Giri, 146, 148  
 Ghai, 154–5  
 Mohrā Morādu, 159  
 Pippala, 163  
 Jauliāñ, 168  
 Bhamāla, 176
- Wood  
 carved and painted or gilded woodwork at Mohrā Morādu, 159  
*see also* Timber
- Zoroastrian temple(?), Jaṇḍiāl, 8, 87–8