

Index

- Abandonment
 of the Dairy fan, 72
 of the Marana Community, 39–40
 regional, 40
- Adobe architecture, 1, 27–31, 38, 39,
100, 102
- Agate, 37
- Agave, xii, 31, 32, 34, 36, 47, 70–71,
72–96, 104
 roasted, 74, 82, 86, 93
 Agave fiber, 37, 73, 82, 83, 84, 86–87,
 96
- Agave murpheyi*, 73, 74, 83, 85
- Agave parryi*, 73
- Aggregation. *See* Population densities
- Agricultural intensification, 87, 100, 103,
104
- Agriculture, 1, 3, 5, 8, 10, 11–19, 20, 21,
26, 31, 40, 41–52, 53–63. *See also* Ak
chin farming; Canals; Floodwater
farming; Irrigation; Rockpiles; Runoff
cultivation; Terraces; Trincheras
- Ak chin farming, 41, 49, 53–63
- Alluvial fans, 3, 15, 16, 17, 18, 19, 31, 47,
49–50, 53–63, 64, 65, 67, 72, 76
- Amaranth, 68, 69, 70, 72
- Andesite, 37
- Apache Indians, 13, 93
- Archaeological sites
 AZ AA:12:108, 78
 AZ AA:12:205, 88–96
 AZ AA:12:284, 16
 AZ AA:12:469, 80
 AZ AA:12:470, 79, 81, 95, 96
 AZ AA:18:486, 16, 18, 19
 See also Brady Wash platform mound;
 Casa Grande; Cerro Prieto Site; Con-
 tinental Ranch Site; Dairy Site;
 Hodges Site, Huntington Site; La
 Paloma Site; Las Colinas; Los
 Morteros Site; Los Ojitos Site; Los
 Robles Community and platform
 mound; Marana Community; Matty
 Canyon sites; McClellan Community
 and platform mound; Mesa Grande;
 Milagro Site; Pantano Site; Pueblo
 Grande Site; San Augustin Site; San
 Xavier Bridge Site; Snaketown; Solar
 Well Site; Tacca platform mound;
 Tom Mix Community and platform
 mound; Tumamoc Hill sites; Valencia
 Road Site
- Archaic
 Middle, 11
 Late, 1, 3, 8, 11–19, 20, 64, 68, 69, 72
- Architecture, domestic, 34. *See* Adobe
 architecture; Cobbles, architectural
 use of; Compounds, at sites
- Architecture, public, 1, 4, 5, 10, 20, 34,
38, 40, 97, 98, 100, 103–104. *See also*
Ballcourts; Kivas; Platform mounds.
- Arizona poppy, 69
- Arizona State Historic Preservation
 Office, xi–xii
- Arizona State Land Department, xi–xiii
- Arizona State Museum, 20, 94
- Ballcourts, ballcourt communities, 1, 5, 7,
9, 20, 21, 26, 34, 39–40, 97–98,
100–101
- Bajadas
 agriculture on, 31, 37, 44, 45, 47, 50,
 51, 53–63, 67, 69, 72, 73–87, 101
 settlement on, 3, 8, 11, 14, 16, 20, 21,
 24, 26, 27, 31, 38, 39, 44, 46, 50,
 64–72, 86
- Beans, 73
 common, 47, 70, 71
 jack, 71, 72
 mesquite, 14
 tepany, 71, 72
- Bighorn sheep, 37, 71–72
- Bogard Wash, 9, 56
- Bottle gourd, 70, 71
- Bowls, pottery, 94
- Brady Wash, 6, 9, 56
- Brady Wash platform mound, 9
- Braided channels, 44, 45
- Brawley Wash, 6, 9
- Bureau of Reclamation, xi–xii
- Bursage, 2, 34, 69, 88
- Cache, in pit, 37
- Calcium oxalate crystals, 84
- Cañada Agua, 44–46
- Cañada del Oro phase, 3
- Cañada del Oro Red-on-brown pottery,
65, 68
- Cañada del Oro Wash, 6, 9, 40
- Canals, 1, 3–5, 20, 21, 27, 31, 34, 39,
40–41, 42, 46, 47, 49, 50, 51, 72,
97–105. *See also* Irrigation
- Casa Grande, site of, 99–100, 102
- Casa Grande Red-on-buff pottery, 24
- Catalina Mountains, 6, 14
- Catclaw, 46
- Cattail, 69, 70
- Censers, pottery, 1
- Central sites, integrative function of, 5,
20–40, 97–105
- Ceramics. *See* Pottery
- Cerro Prieto Site, 9, 37
- Cerro Prieto washes and alluvial fans, 56,
60
- Checkdams, 31, 43, 47, 76–79, 81,
85–86
- Chenopods, 69–70
- Chia, 70
- Chiefdom, 39
- Cholla, 14, 69–70, 88
- Civano phase, 3
- Clammy weed, 70
- Classic period, xi, xii, 1, 20–40, 72, 86,
87, 97–105
 Early Classic, 3, 8, 10, 20–40, 71,
 80–87, 97
 Late Classic, 3, 8, 10, 12–19, 24–25,
 34, 39–40, 97, 103–104
- Clovis culture, evidence of, 11
- Cobbles
 agricultural use of. *See* Rockpiles;
 Terraces
 architectural use of, 28, 31, 34, 38, 102
- Cochie Wash, 44, 46
- Colonial period, 3, 27
 Early Colonial, 3, 64, 65, 66, 67,
 68–72
- Comals (griddles), 1
- Common beans, 47, 70, 71
- Communities
 definition of, 20–21
 Los Robles, 9, 10, 37, 44
 Marana, xi–xii, 8–10, 20–40, 56–57,
 76, 80–87, 97–105
 McClellan, 10, 103–104
- Community exchange, 37. *See also* Long-
distance exchange; Trade
- Compositae, 69
- Compounds, at sites, 1, 20, 27–30, 31,
34, 38, 39, 100, 102
- Continental Ranch Site, 18, 19
- Coprolites, 17
- Core area, of Hohokam, xi, 2–5, 19, 20,
24, 40, 65, 97–104
- Core-periphery dichotomy, of Hohokam
tradition, 4, 19, 20, 24, 26, 40, 97–105
- Corn, 14, 17, 19, 31, 44, 47, 64, 68–72,
73, 81, 85
- Cotton, 69–70, 85
- Cottontail rabbit, 71, 72
- Cottonwood Wash and alluvial fan, 22,
31, 44–46, 56, 57, 60–62
- Craft specialization, 37, 38, 87
- Cremation, 65, 68, 69. *See also*
Inhumations

- Creosote bush, 2, 34, 88
 Cucurpe, Mexico, 41–42
 Cultigens, 11, 13, 14, 15, 17, 19, 34, 64, 69–72. *See also* Agave; Beans; Corn; Cotton; Squash
- Dairy Site, 18, 19, 60, 64–72
 Dairy Wash and alluvial fan, 56, 60, 64, 65, 67
 Dating, of sites and features, 11, 15, 17–19, 21–24, 34, 39, 64, 68, 72, 81, 92, 97, 103
 Deer, 37, 71, 72
 Derrio Wash and alluvial fan, 22, 31, 45–47, 56, 58, 60–62
 Desert Wells, 27
 Disks, pottery, 96
 Disturbance (field) weeds, 64, 69–70, 72
 Dropseed grass, 70
 Dry-laid masonry, 31, 34, 38
 Durham Wash and alluvial fan, 9, 56, 57
 Early Classic. *See* Classic period
 Early Colonial. *See* Colonial period
 Early Pioneer. *See* Pioneer period
 Economic specialization, 34–37
 Estrella phase, 3
 Estrella Red-on-gray pottery, 65, 68
 Exchange, 37, 39. *See also* Trade
- False purslane, 70
 Farming. *See* Agricultural intensification; Agriculture; Ak chin farming; Floodwater farming; Irrigation; Runoff cultivation
 Faunal analysis, 71–72
 Field boundary marker, 86
 Figurines, pottery, 1, 16
 Fire-cracked rock, 92
 Firepits. *See* Hearths; Roasting pits
 Fishhook cactus, 70
 Floodplains, 3, 14, 15, 17, 20, 21, 27, 31, 34, 44, 46, 47, 50, 51, 53–63, 74, 76
 Floodwater farming, 8, 15, 27, 31–32, 34, 36, 41–42, 47, 49–50, 52, 53–63, 64, 67, 69, 72, 85, 87, 101, 102. *See also* Irrigation; Runoff cultivation
 Floors, plastered, 65
 Flotation analyses, 70–71, 73–74, 82–83, 92
 Frost, seasonal, 3, 4, 43
 Full-coverage survey, xi, xii, 13, 20, 103, 104
- Gila Black-on-red pottery, 24
 Gila Butte phase, 3
 Gila Butte Red-on-buff pottery, 65, 68
 Gila River, 3, 42, 85, 97–100, 105
 Globe mallow, 69, 70
 Grasses, 17, 50, 68, 70
 Ground cherry, 70
 Guild Wash, 45–46
- Habitation sites, 26, 31. *See also* Communities; Settlement hierarchy; Settlement patterns
 Hackberry, 70
 Hearths, 46, 64, 65, 68–71. *See also* Roasting pits and areas
 Hedgehog cactus, 70
 Hodges Site, 9
 Hohokam core area. *See* Core area, of Hohokam
 Hohokam tradition, 1, 2, 97–105. *See also* Core-periphery dichotomy, of Hohokam tradition
 Hopi Indians, 86
 Huntington Site, 34, 38
- Inhumations, 65, 100. *See also* Cremation
 Ironwood, 3, 83, 92
 Irrigation, 1, 3–4, 5, 8, 13, 14, 23, 27, 31, 32, 34, 38, 39, 40, 41–42, 50–51, 72, 74, 87, 97–103. *See also* Canals; Floodwater farming; Runoff cultivation
- Jack beans, 71, 72
 Jackrabbit, 71, 72
 Jars, pottery, 92–96
 Jasper, 37
 Jewelry, of red stone, 37
- Kitchen gardens, 44
 Kivas, 1
 Knives, tabular stone, 31, 37, 81, 83, 85
 Kolmogorov-Smirnov two sample statistic, 16
- La Paloma Site, 18, 19
 Lagomorphs, 37, 71–72
 Las Colinas, 99
 Late Archaic. *See* Archaic
 Late Classic. *See* Classic period
 Lehi canal system, 100
 Limestone, 37, 92
 Lithic sources, 37
 Little Colorado White Ware, 24
 Locoweed, 70
 Long-distance exchange, 39. *See also* Community exchange; Trade
 Los Morteros Site, 9, 19, 34, 38
 Los Ojitos Site, 18, 19
 Los Robles Community and platform mound, 9, 10, 37, 44
 Lower Pima, 80
- Marana, town of, 6, 8, 27, 51
 Marana Community (and Marana Mound Site), xi–xii, 8–10, 20–40, 44, 50, 51, 52, 53, 56–57, 73–87, 92, 97–105
 Marana platform mound, 27–30, 31
 Marana washes and alluvial fans, 56, 60
- Masonry architecture, 34
 Matty Canyon sites, 18, 19
 Maya culture, 80
 McClellan Community and platform mound, 9, 10, 103–104
 McClellan Wash, 6, 9, 57
 McDaniel, Robert, 85
 McDonald Corrugated pottery, 24
 Mesa Grande Site, 100
 Mesoamerica, xi, 1, 14, 73, 83, 85. *See also* Maya culture
 Mesquite, 3, 14, 15, 17, 46, 64, 68–70, 71, 83, 92. *See also* Beans, mesquite
 Milagro Site, 18, 19
 Molcajetes (graters), 1
 Mounds. *See* Platform mounds
 Mud Tanks, 27
- Nabhan, Gary, 41–42, 49, 80
 National Science Foundation, xii, 64
 Near East, xi
 New River, 78
 Nonhabitation sites, 26
 Nutrition estimates, 86
- Obsidian, 37
 Otomí, 84
- Paleohydrology, 56–63
 Palettes, 1
 Palo verde, 3, 34, 46, 92
 Pantano Site, 18, 19
 Parker Wash, 56
 Papago. *See* Sand Papago Indians; Tohono O'odham Indians
 Peer polity interaction, 104
 Peripheral area, of Hohokam, 3–5. *See also* Core-periphery dichotomy
 Petroglyphs, on field marker, 86
 Phoenix, city of, 2, 3
 Phoenix Basin, xii, 3, 4, 7–8, 20, 24, 26, 27, 39, 40, 65, 97–104
 Picacho Mountains, 6, 9, 40, 102, 103
 Picacho washes and alluvial fans, 56, 60
 Piman Indians, 1, 39, 41, 51, 53, 73, 93, 99–100, 105
 Pinedale Black-on-white pottery, 24
 Pioneer period, 3, 11, 12, 13, 14, 15, 17, 24, 64, 65, 66, 67–71
 Pit houses, 1, 26, 28, 34, 36, 37, 38, 65, 68–71, 102
 Plain ware pottery, 7, 15, 38, 64, 70, 71, 88, 96
 Plant species distribution, 11
 Platform mounds, 1, 5, 8, 9, 20, 40, 97–105. *See also* Architecture, public
 Pollen analyses, 69–70, 83, 85
 Population densities, 1, 4–5, 8, 15, 17, 20, 26, 34, 36, 37, 38, 40, 44, 46, 51, 99–100, 103, 104, 105. *See also* Settlement patterns

- Pottery, 1, 7, 10, 15, 16, 21, 24, 34, 38, 39, 40, 64, 65, 68, 70, 71, 82, 88, 93–96, 103
- Precipitation, 3–5, 13, 39, 42–43, 44, 45–47, 62, 63, 101
- Preclassic period, 1, 19, 20, 21, 26–27, 39, 46, 50, 85, 97, 98, 100–103, 104
- Prickly pear, 14, 69
- Primary village, 20
- Projectile points, 11, 15, 16
- Pueblo Grande Site, 100
- Pueblo Indians, 1, 39
- Pulping planes, 84–85, 92
- Purslane, 70
- Quartzite, 92
- Radiocarbon dating, 11, 17–19, 34, 64, 92. *See also* Dating, of sites and features
- Rainfall. *See* Precipitation
- Rancherías, 1, 31. *See also* Settlement patterns, dispersed
- Red Mountain phase, 3
- Red ware pottery, 7, 64, 65, 70
- Redistribution of goods, 39. *See also* Trade
- Redrock, town of, 6
- Religious activities, 39, 98
- Reservoirs, 15, 16, 21, 27, 49
- Rhyolite, 37, 92
- Rillito Creek, 9
- Rillito phase, 3, 21
- Rincon Mountains, 6, 14
- Rincon phase, 3, 21, 24
- Rincon Red-on-brown pottery, 24
- Rio San Miguel, Mexico, 46
- Rio Sonora, Mexico, 46, 48–50
- Risk
 - agricultural, 42, 50
 - reciprocal, 34, 51–52, 103–105
- Roasting pits and areas, 31, 68–71, 73–75, 81–83, 85, 87, 88–96. *See also* Hearths
- Robles Community. *See* Los Robles Community
- Robles washes and alluvial fans, 56, 60
- Rock rings, 31, 90
- Rockpile fields, 21, 26–27, 31, 34, 36, 41, 45, 47, 51–52, 73, 75–87, 88, 90–91, 102
- Roofing materials, 83
- Ruelas Canyon, 9, 46, 56
- Runoff cultivation, 8, 31–32, 34, 41, 44, 47, 49–50. *See also* Floodwater farming; Irrigation
- Sacaton phase, 3
- Saguaros, 3, 14, 31, 34, 69–70, 71, 88, 93
- Salado polychrome pottery, 21, 24, 34, 39, 40, 103
- Salt River, 2, 3, 39, 40, 42, 97–100
- Saltbush, 2, 14, 17, 70
- San Augustin Site, 18, 19
- San Carlos Smudged pottery, 24
- San Xavier Bridge Site, 18, 19
- Sand Papago Indians, 12. *See also* Tohono O'odham Indians
- Santa Cruz phase, 3
- Santa Cruz Red-on-buff pottery, 65, 68
- Santa Cruz River, 2, 5, 7, 8, 12, 13, 15, 16, 17, 20, 21, 26, 27, 34, 37, 39, 41–44, 50–51, 53, 62, 67, 70, 71, 72, 74, 101
- Scoops, pottery, 96
- Seasonal round mobility, 11, 14, 16, 17
- Sedentary period, 3, 21, 27, 71, 72
- Sedentism, 11, 13–14
- Seri Indians, 13, 14
- Settlement hierarchy, 1, 20–21, 37–39, 100–102, 104
- Settlement patterns
 - Archaic, 15, 17–19
 - dispersed, 4, 31, 44, 47, 97. *See also* Rancherías
 - of Pioneer period, 15
 - regional, 13, 20, 21, 24, 26, 40, 51, 101
 - zones of, 2, 5, 31–37, 38, 42–51, 53, 56, 62, 64, 76, 77, 81–82, 86–87, 100–103*See also* Bajadas, settlement on
- Shamrock Dairy, 64
- Shell artifacts, 16, 21, 37
- Sherd tools, 82, 93–96
- Snaketown, site of, 65
- Snaketown phase, 3
- Snaketown Red-on-buff pottery, 65, 68
- Soho phase, 3
- Solar Well Site, 18, 19
- Sonoran Desert, 2–3, 11–15, 41, 73
- Spanish contact, xi, 1, 73
- Spiderling, 69–70
- Spurge, 70
- Squash, 47, 70, 73
- Stone artifacts, 11, 16, 21, 31, 37, 81, 83–85, 88, 92
- Storage facilities, 19, 65
- Streamflow reconstruction, 39
- Suizo Wash, 56
- Sweetwater phase, 3
- Sweetwater Red-on-gray pottery, 65, 68
- Tanque Verde phase, 3, 10, 24, 27, 34, 39, 40
- Tanque Verde Red-on-brown pottery, 24
- Tansy mustard, 70
- Tarahumara Indians, 93
- Tacca platform mound, 9
- Temperature inversion, 43–46
- Temperatures, 3, 43
- Tepary beans, 71, 72
- Terraces, 21, 31, 32, 34, 35, 42, 43, 44, 50, 53, 76–79, 85, 86. *See also* Trincheras
- Tohono O'odham (Papago) Indians, 13, 15–17, 41, 46, 49–50, 56, 69, 73, 85. *See also* Sand Papago Indians
- Tom Mix Community and platform mound, 9, 102
- Tom Mix Wash and alluvial fan, 56
- Tortolita Mountains, 6, 8, 9, 12, 14, 15, 17, 20, 21, 24, 26, 31, 37, 43–44, 45, 50, 53, 81
- Tortolita Red pottery, 65, 68
- Trade, 36, 37, 39, 87, 100. *See also* Community exchange; Long-distance exchange
- Trash mounds, 16, 21, 28
- Trincheras, 9, 20, 34–37, 44. *See also* Terraces
- Tucson, city of, 2, 7, 8
- Tucson Mountains, 6, 9, 12, 14, 15, 21, 24, 26, 27, 34, 37, 38, 42–44, 51, 53, 87
- Tucson phase, 3, 39
- Tumamoc Hill sites, 19
- Turquoise, 37, 100
- University of Arizona Marana Farms, 85
- Vahki phase, 3
- Vahki Red pottery, 65
- Valencia Road Site, 18, 19
- Vessels, pottery, 92–96. *See also* Pottery
- Water diversion structures, 47, 48, 50, 74. *See also* Canals; Checkdams; Reservoirs
- Water sources, 13–14, 15, 16, 17, 21, 27, 34, 41–52, 72. *See also* Canals; Floodwater farming; Irrigation; Reservoirs; Runoff cultivation
- Wattle and daub construction, 1. *See also* Adobe architecture
- Weights of vessels and sherds, 93, 94, 96
- Wells, 15, 21, 46
- Wild buckwheat, 68
- Wild Burro Canyon, 9, 46, 56
- Yields, of agave, 37, 86
- Yucca, 17, 69, 70
- Zuni Indians, 86