

Topic Index

- Adobe bricks: Formative period, 54, 68–69, 75; Postclassic, 400
- Adoratorio* (shrine), Postclassic, 77, 157, 395–396
- Agricultural support, prehispanic, 421
- Agriculture, contemporary, 409–419; corn production, 412; crop cycle, 413–414; decisions, 415–418; implications for archaeological interpretation, 418; storage, 10, 413
- Alignments and orientations, architectural, 76–78, 166, 390; Amate, 76–77, 393, 396; Barranca, 76–77; Cantera, 76–78; Classic, 77; comparisons, 78; Postclassic, 77
- Altamira, Chis., 206, 221, 230, 237, 241
- Altar de Sacrificios, Guat., 221, 230, 234
- Altars: as seats of power, 93; at La Venta, 129, 136, 429, 430; at San Lorenzo, 430. *See also* Monuments, Chalcatzingo: Mon. 22
- Amate phase: ceramic diagnostics, 57, 434; dating, 56–59, 61; excavations, 33, 36–37; regional settlement, 350; volume excavated, 25
- Amatzinac Valley: agricultural potential, 8–9, 14; climate, 8–9; description, 8–10; ecology, Formative period, 20; geology, 9; intra-valley relations, 421–422; Postclassic external ties, 408; Postclassic irrigation systems, 7, 9, 349; raw materials, 9–10, 378–379, 383–386; settlement pattern, modern, 94; settlement pattern, prehispanic, 343–366; soil types—*see* Soils; springs, 9; vegetation zones, 9, 14–17
- Animals. *See* Burials, animal; Faunal remains
- Archaeomagnetic samples, 27–28, 76
- Architecture: house, 66–76, 102–103; measurement module, 78–85; orientations—*see* Alignments; public, 63–66. *See also* Ball courts; Elite residence; Houses; Platform mounds; Public architecture
- Arroyo Sonso, Ver., monument, 137–138
- Artifact assemblage restricted to Chalcatzingo area, 8, 375, 421–422, 435–436
- Atlihuayan (Iglesia Vieja), Mor., 5, 203, 210–211, 219, 225, 230
- Axe pendants, 298–299
- Ayotla, Mex., 230
- Ball court (T-15 Str. 2) figurine cache, 390–391
- Ball courts: possible Middle Formative, 26, 64; T-15 Str. 2, 13, 31, 42–43, 63, 131, 388–391; at Tetla, 77, 131, 396–398
- Ball game, 149
- Barranca phase: ceramic diagnostics, 57–59; dating, 57, 60; regional settlement, 352–355; volume excavated, 25
- Basin of Mexico. *See* Valley of Mexico
- Bloodletters: greenstone, 98, 302; obsidian, 70, 291–292; stingray spines, 86–87, 109, 112
- Bone artifacts, 291, 293
- Braziers, ceramic, 246–248; comparisons, 248–249; use, 70
- Bromeliads, 115, 117, 122, 125, 136, 139–141
- Burials, animal, 32, 36, 91
- Burials, human: Cantera, by grave type and furniture, 99; classification criteria, 95–100, 422; external comparisons, 91, 99–100, 111–112; house subfloor, 27, 29, 36, 73–74, 85, 98, 101–103, 108; paired, 90, 104–108, 112; skull burials, 91–92, 98, 103, 155
- by area: T-1 (PC), 27–31, 100–108, 457–465; T-4, 34, 109, 465–466; T-9, 36–37, 39, 109, 466–467; T-11, 39, 467; T-20, 44, 109–111, 394, 467–468; T-21, 46, 468; T-23, 108, 468–469; T-24, 46–48, 111, 469–470; T-25, 48, 83, 85–94, 108–109, 111, 470–474; T-27, 48–50, 111, 394, 474–476; T-29, 49, 51, 109, 480; T-37, 50, 111, 477; N-2, 51, 53, 109, 478; N-5, 51, 109, 478; S-39, 51–52, 477–478; Cerro Delgado caves, 54, 108–109, 479–480; Tetla, 111, 404, 480
- description of, 457–480; Barranca, 108–109; Cantera, 86–91, 100–108; Late Formative, 109; Classic, 109–111; Postclassic, 111
- Cacahuamilpa, Mor., 5, 274
- Cacaxtla, Tlax., 171
- Campana de Oro, Mor., 356, 361, 363, 422, 441
- Cantera phase: ceramic diagnostics, 60–61; dating, 58–61; regional settlement, 355–356, 361; volume excavated, 25
- Caves: Cave 3, 187–189, 198; Cave 4, 54, 59, 188; Cave 5, 188–191, 198; Cave 6, 188–191; Cave 7, 188, 191–192; Cave 9, 194–195; Cave 12, 194; Cave 16, 188, 194, 398; Cave 20, 188, 194; Cave 22, 59, 187; Cave 23, 188, 194; Cave 24, 188, 193–194; Cave 25, 188, 194
- Cave 1, 53–54, 59, 188, 194, 398; artifacts, 271, 290, 301, 398; paintings, 194
- Cave 2: artifacts, 292–294; cotton, 19, 54, 406; paintings, 194–195; plant macrofossils, 19, 54, 59, 406, 411, 443
- Cave 8: artifacts, 271, 290; plant macrofossils, 19, 59, 443
- Cave 19, paintings, 187–188, 191–193, 198, 394
- Ceramic analysis, petrographic, 22, 200–202, 204, 208–210, 212, 223–224, 226–227, 229–231, 234, 237–238, 242–243, 245–246, 435
- Ceramic artifacts: clay balls, 283; banana-shaped crescents, 282–283; bars, 279–280; beads, 271; earspools, 271–273; flutes, 276–277; ground sherds, 285–289; masks, 278–279; miniature vessels, 276, 278–279; molds, 280, 282; ocarinas, 276, 277; pendants, 273; spheres, 284–285; spindle whorls, 280, 542–543; stamps, flat, 275; stamps, roller, 273–275; whistles, 276–277
- distribution by excavation unit: personal ornaments, 274; ritual artifacts, 278; uncertain-function artifacts, 285; utilitarian artifacts, 283. *See also* Figurines, ceramic
- Ceramic classification: design code, 482, 484, 488; design motifs, 218–222, 241, 482, 484, 488; form categories, 200, 203–204, 481–487; glossary of terms, 250; methods, 200
- Ceramic comparisons with other sites and regions: Altamira, Chis., 206, 221, 230, 237, 241; Altar de Sacrificios, Guat.,

- 221, 230, 234; Atlahuayan (Iglesia Vieja), Mor., 203, 210–211, 219, 225, 230; Ayotla, Mex., 230; Cacahuamilpa, Mor., 274; Cerro Chacaltepec, Mor., 210, 219, 223, 225–226, 243; Cerro de las Mesas, Ver., 274; Chalahuite and El Trapiche, Ver., 219, 236; Chalcatzingo (Piña Chan's excavations), 203, 206, 210, 219, 229, 234, 236, 240; Chalchuapa, El Salvador, 287–288, 437; Chiapa de Corzo, Chis., 221, 248, 271, 286–287; Chiapas, 248; Chupicuaro, Gto., 282; Cuiculco, D.F., 282; El Arbolillo, D.F., 219, 245–246, 273, 276, 283, 287; Fábrica San José, Oax., 206, 236, 248; Gualupita, Mor., 203, 271, 275–276, 283, 288; Izapa, Chis., 210, 221, 230, 241, 248; Kaminaljuyú, Guat., 248; Las Bocas, Pue., 208–209, 274, 434; La Venta, Tab., 202–203, 211, 219, 230, 234, 236–237, 241, 248–249, 273–274, 287, 482, 489–490, 565; La Victoria, Guat., 206, 221, 241, 248; Loma Torremote, Mex., 282–287; Mirador, Chis., 221, 230, 242, 248; Monte Albán, Oax., 221, 237, 241; Moyotzingo, Pue., 210, 219; Oaxaca, Valley of, 206, 210, 236–237, 248; Nexpa and San Pablo (Río Cuautla), Mor., 203, 206, 210–211, 274; Salinas La Blanca, Guat., 221, 230, 234, 237; San Agustín, Chis., 234; San José Mogote, Oax., 219; San Lorenzo Tenochtitlan, Ver., 202–203, 206, 210–211, 219, 229–230, 234, 236, 241, 248–250, 273–274, 276, 283, 287–288; Santa Cruz, Chis., 206, 210, 221, 234, 241; Seibal, Guat., 234; Tehuacan Valley, Pue., 206, 209, 219, 229–230, 236–237, 248, 289; Teotihuacan, Mex., 287; Ticoman, D.F., 234, 271, 273, 276, 283, 287–288; Tlatilco, Mex., 203, 206, 210–211, 219, 274–275, 278; Tlaxcala, 271; Toluca, Mex., 225; Tres Zapotes, Ver., 202, 211, 230, 234, 236–237, 241, 248–250, 274, 276, 283, 287, 482, 489–490; Tula, Hgo., 289, 396, 398; Uaxactun, Guat., 234, 242; Valley of Mexico, 210, 225–226, 243, 246; Yarumela, Hond., 437; Yucatan, 283; Zacatenco, D.F., 219, 234, 240, 243, 245–246, 273, 276, 279, 283, 285, 287; Zohapilco, Mex., 206, 219, 230, 271, 274, 276, 279
- Ceramic decorative techniques: excision, 210; finger impression, 203, 206; gadrooning, 203, 206; grooving, 203, 206, 208, 223; incision, 57, 60, 203, 206, 208, 210–211, 217, 223, 225, 227, 230, 234, 236, 240, 243, 245; pseudo-grater bottom, 57, 59, 208, 225, 230–231, 245–246; punctuation, 60, 217, 223, 225, 227, 230–231, 240; red pigment, 210, 237; rippled surface, 211, 236; rocker stamping, 230; stick impressions, 237; stick polishing, 223
- Ceramic distributions: in Amatzinac Valley, 359–360; of forms by subphase, 203–204; motifs by subphase, 206; types by subphase, 202
- Ceramics, Postclassic, 525–543
- Ceramic type descriptions: Amatzinac
White and variants, 211–223; Amayuca Ruddy, 243–244; Arboleda Coarse, 208–209; Atotonilco Black, 245; Atoyac Unslipped Polished I, 237–238, 250; Atoyac Unslipped Polished II, 230–231; Atoyac Unslipped Polished III, 208–209; Brown-Slipped, Streaky, 246; Carrales Coarse Grey, 97, 237–242, 249; Carved Grey, 210–211; "Cement Ware," 246; Cuautla Brown, 202–203, 205; Cuautla Red-Slipped, 203–204, 206–208; Del Prado Pink, 208–209; Grey-Slipped, Red Paste, 246; Imitation Laca, 226; Kaolin, 210–211; Laca, 223–226; Manantial Orange-on-White, 211–212, 249; Mingo Fine Brown, 243–244; Pavón Fine Grey, 234–237, 249; Peralta Orange, 226, 231–234, 249; Santa Clara Orange, 245; Tadeo Coarse, 209–210; Tenango Brown, 226–229; White-on-Red, 246; White-Rimmed Black, 229–230, 249–250; Xochitengo Polychrome, 242–243; Yellow Paste Wares, 246
- Ceramic workshop, 51, 76, 282–283, 309, 422
- Cerro Cacalote, Mor., iron ore source, 10, 378
- Cerro Chacaltepec, Mor., 5, 210, 219, 223, 225–226, 243
- Cerro de las Mesas, Ver., 274, 295, 297
- Cerro, Belize, 422–423
- Chalahuite, Ver., 219, 236
- Chalcatzingo
—Formative period: Gulf coast Olmecs at, 438; hypotheses for decline of, 61, 361, 366, 437, 440–441; hypotheses for growth of, 366, 376, 439–440; locational importance of, 420, 431, 434, 440; as major Central Mexican center, 80; redistribution role of, 360, 383, 435, 440; restricted artifact assemblage of, 8, 375, 421–422, 435–436
—name, 10
—site: discovery of, 1; I.N.A.H. guide to, 114; location of, 3, 5–8, 11–12; spring at, 10–12, 51, 79, 350, 420
—village: *cuexcomates*, 10, 413; communal labor, 2, 12; economy, 10; land, 12, 409–410; language, 11; location, 10–11; and 1910 revolution, 11; population, 10
- Chalcatzingo Project: basic goals, 1; excavation numbering system, 21, 23; funding, vii; mapping 2, 21; participants, viii; phosphate testing, 22
- Chalchuapa, El Salvador: 3, 243, 287–288, 430, 437
- Chert tools. *See* Lithics
- Chiapa de Corzo, Chis.: ceramics, 221, 248, 271, 286–287; greenstone head, 125; ground stone, 341–342
- Chiapas state, 248, 435
- Chimalhuacan, Mex., 355–356, 361
- Cholula, Pue., 5, 171, 193
- Chupicuaro, Gto., 282
- Classic period structures and features: T-3 Str. 1, 29, 31, 33, 63–64, 387–389; T-3 Str. 2, 2, 387; T-4 Str. 3, 34, 392; T-4 Str. 4, 34, 392–393; T-6 Str. 2, 36; T-9A, 394; T-15 Str. 2, 42, 388–391; T-15 Str. 4, 43, 390–391; T-17, 44, 393; T-20 Str. 2, 44–45, 393–394; T-20 Str. 3, 44–45, 393–394; T-23 Features 1, 4, and 7, 46–47, 392; T-24, 46, 48; T-27 Str. 2, 50, 394–395; CT-2, 52–53, 394; Tetla, 396
- Comal-like plates (form RD-2), 57, 437
- Copal, 15, 91
- Copán, Honduras, 3, 138, 149
- Copilco, D.F., 6
- Corn: and Amate phase agriculture, 350; archaeological evidence of, 18, 54, 406, 411, 443; macrofossils, 54, 406, 411; pollen, 18
- Cotton, 20, 54, 293–294, 443; and Teotihuacan, 20
- Cozumel island, Q.R., 439
- Cruz de Milagro, Ver., Mon. 1, 141
- Crypt graves, 30, 63, 87–91, 95, 98–103, 108; comparisons, 111, 434–435; definition, 95; as social marker, 98–99
- Cuauhnahuac (province), 6–7
- Cuexcomate* (granary), 10, 413
- Cuiculco, D.F., 5, 6, 66, 151, 282, 355–356, 364, 435
- Cult of the ruler, 269–270, 425–427, 432
- Dating: Amate, 56–57, 60; Barranca, 57, 60; Cantera, 59–61; Late Formative, 58–60; of monuments, 426, 430, 436; of site, 56–61
- Daub, house walls, 27, 50, 65–66, 68–69, 384
- Drainage canals, Formative: El Paso, 23, 36, 41–42, 63, 79, 114–115, 125, 130, 165; El Rey, 27, 32–33, 79, 114, 421
- Ecological studies, Amatzinac valley, 14–20
- El Arbolillo, D.F., 5, 111–112, 434; ceramic artifacts, 219, 245–246, 273, 276, 283, 287; figurines, 256; greenstone, 300; ground stone, 331, 340–341
- Elite residence, Cantera, 27, 79, 98, 422
- El Palacio, Mor., 357, 422
- El Paso Drainage. *See* Drainage canals
- El Rey Drainage. *See* Drainage canals
- "El Rey" monument. *See* Monuments, Chalcatzingo: Mon. 1
- El Trapiche, Ver., 219, 236
- Epatlan, Pue., 425
- Excavations, 43–83; locations, 24; methods, 21–22; volume of earth excavated, by area and by phase, 25
—descriptions, by area: T-1 (P.C.), 23, 25–32; T-3, 33; T-4, 22, 33–34; T-6, 34,

- 37; **T-9A**, 36–38; **T-9B**, 37; **T-11**, 37, 40–41; **T-15**, 41–44; **T-17**, 44; **T-20**, 44; **T-21**, 44–46; **T-23**, 46; **T-24**, 46–48; **T-25**, 48, 82–85; **T-27**, 48–49; **T-29**, 49; **T-31**, 49–50; **T-37**, 50; **S-39**, 50–51; **N-2**, 51; **N-5**, 51; **N-7**, 51; **El Rey Drainage**, 32–33. *See also* Caves; Tetla
- Explanatory models, 437–441; Cacao and Motagua Jade Route, 438; gateway city, 439–440; Gulf Coast direct contact, 437–438; Gulf Coast indirect contact, 437–438; jade route, 438; marriage alliances, 429, 440; militarism, 438; *pochteca* center, 439; port of trade, 439; redistribution center, 440; religion, 438; trade and exchange, 438–440
- External relations: with Central Mexico, 434–436, 438; with Guerrero, 151, 429, 440; with Gulf Coast, 234, 435–436; with southern Mesoamerica, 436–437
- Fábrica San José, Oax., 206, 236, 248
- Faunal remains: 41, 421, 547–549; distribution by phase, 548; distribution on site, 549
- Figurine cache, ball court (T-15, Str. 2), 390–391
- Figurines, ceramic
—animal, 280–281
—at Huazulco, 253–254, 264, 273
—human: body types, 259–261; correlation coefficients for, 268; decapitation of, 155, 252, 423; design attributes of, 261–263, 491–497; distribution of, by area, 266–270; distribution of, by period, 264–266; with duck-bill masks, 109, 110, 137, 259; head types, 253–259; hollow, 259–261; in Late Formative excavations, 61; portrait (C-8), 255–256, 264, 269–270, 284, 374, 423–426, 435, 436; seated, similar to Mon. 2 personage, 259, 427–428; typology of, 252–261
—at Tehxtac, 253–254, 264, 370, 372–374
—at Tetla, 401, 404
- Figurines, stone: greenstone, 96, 98, 103–104, 112, 297–298; ground stone, 336
- Figurine workshop, 76, 265, 422
- Flora remains. *See* Plant remains
- “Flying Olmec” monument. *See* Monuments, Chalcatzingo: Mon. 12
- “Frontier art style,” 436
- Fundación Alemana, 1
- Greenstone (fine stone, jade): categories, 297; color, 295, 498; material, 295–297; as marker of rank or status, 93, 96, 98–99
—artifacts: adzes, 301–302; awl/bloodletter points, 302; beads, 300–301; discs, 303; distribution, by area, 297; drill cores, 302–303, 383; earspools, 96, 299–300; figurines, 96, 98, 103–104, 112, 297–298; pendants, 298–299; *pulidores*, 303; tools, 301–302
- Ground stone artifacts: bark beaters, 333–334; figurines, 336; manos, 329–331; metates, 331–333; miscellaneous, 340–341; raw materials, 329; sculpture, 335–340; smoothing stones, 334–335
- Guadalupe Victoria, Ver., obsidian source, 132, 381–382
- Gualupita, Mor., 5, 203, 271, 275–276, 283, 288, 351
- Guerrero state: figurine comparisons, 423, 425; interactions with Chalcatzingo, 151, 440; Juxtlahuaca cave, 136, 152, 155; Oxtotitlan cave, 3, 82, 150; San Jerónimo, 425; Teopantecuanitlan, 3, 429, 440
- Gulf Coast Olmec sites: traits shared with Chalcatzingo, 435–437
- Hematite pigment on burials, 98
- Household population estimates, 67, 74–75, 80
- Houses: activity areas, 69–70, 75–76, 79, 400–404; adobe bricks, 68–69, 75, 400; compared to those in Zinacantan, Chis., 75; construction materials, 67; destruction and rebuilding, 74–75, 80, 422–423; dispersed distribution, 79–80, 421; firepits and hearths, 59–60, 67, 70–72; floors, 69; foundations, 13, 67–69; roofing, 69; room differentiation, 69–70, 75, 79; size, 67, 75; storage pits and structures, 71–72, 74, 85–86; surface indications, 22, 66; walls, 63–69; trash pits, 72–73, 85–86; whitewash, 69, 384
- Huaxtepec (province), 6–7
- Huazulco, Mor., 5, 8, 22, 255, 264, 359, 368, 372–375; dating, 373; figurines, 253–254, 264, 373
- Illinois, University of, vii, 1, 22
- Instituto Nacional de Antropología e Historia Centro Regional Morelos-Guerrero, vii, 1
- Iron ore: artifacts, 289–290, 376—*see also* Mirrors; distribution on site, 381; source analysis, 376–380, 382–383
- Iron smelter, first Spanish (Tepoxtitlan, Mor.), 377–378
- Irrigation systems, Amatzinac valley: colonial, 9; Postclassic, 7, 9, 349
- Ixtaccihuatl volcano, 6
- Izapa, Chis., 3, 156, 210, 221, 230, 241, 248; Stela 25, 139
- Jade. *See* Greenstone
- Juxtlahuaca cave, Gro., 136, 152, 155
- Kaminaljuyú, Guat., 248, 439
- Kaolin: sources, 211, 377, 383–385; whitewash on house walls, 69, 384
- Laboratory analyses: bone chemistry, 22, 95; fauna, 22, 547–549; iron ore, 22,

- 376–380, 382–383; kaolin, 384; obsidian, 22, 380–383; pollen, 17–19, 22; radiocarbon, 22, 56, 58–59
- Laguna de los Cerros, Ver., 3, 78
- La Nopalera, Tlax., 341
- Las Bocas, Pue., 5, 137, 208–209, 274, 425, 434
- Las Limas, Ver., figure, 125
- Las Pilas, Mor., 9, 356, 387
- Late and Terminal Formative period:
dating, 60; evidence of settlement, 60, 361, 441
- La Venta, Tab., 3, 66, 78, 82, 91, 93, 111–112, 123, 127, 129, 136–137, 141–142, 144, 148, 151, 422, 426–427, 434, 441; ceramics, 202–203, 211, 219, 230, 234, 236–237, 241, 248–249, 273–274, 287, 482, 489–490, 565; figurines, 255; greenstone artifacts, 295, 297–298, 302–304; ground stone, 337
- monuments: **Altar 3**, 129, 136; **Altar 4**, 430; **Altar 5**, 136, 429; **Mon. 8**, 141; **Mon. 10**, 141; **Mon. 11**, 137; **Mon. 19**, 144, 337, 428–429; **Mon. 30**, 142; **Mon. 41**, 335; **Mon. 43**, 337; **Mon. 56**, 137; **Mon. 73**, 141; **Mosaic face**, buried, 142–143, 151; **Stela 2**, 136, 427; **Stela 3**, 129, 136
- La Victoria, Guat., 3, 206, 221, 241, 248, 271, 288
- Lime: Cantera deposit, 50–51, 437; Classic kilns, 34, 46, 58, 385, 392–393; Classic and Postclassic plaster and stucco, 33, 54, 387, 391, 395, 400–401; sources, 385
- Lithics: analysis, 308–319; chert, 306–319, 499, 504–505; classification, 305–306; comparisons, intra-site, 309–316, 325; distributions, 307–308; industries, 305–319, 499–505; obsidian, 306–328, 499–504; on T-37, 321–328; at Tetla, 543–546
- Loma Torremote, Mex., 282–287
- Los Mangos, Ver., monument, 429, 437
- Maquetas* (models), 159–161, 166. *See also* Miscellaneous Carved Rock: MCR 8, MCR 18
- “Marching Olmecs” monument. *See* Monuments, Chalcatzingo: Mon. 2
- Measurement module, architectural, 78, 85
- Mirador, Chis., 221, 230, 242, 248
- Mirrors, iron ore, 289–290, 376, 379–380; associated with Burial 40, 31, 112, 289; source comparisons, 377–383
- Miscellaneous Carved Rock (MCR): bedrock mortars, 166, 399; carved parabola, 163; carved stairs, 163; classification, 159; cup-mark stones, 166–170; location, 116; *maqueta* stones (models), 159–161, 166; numbering system, 159; quarry stones, 163, 386; rectangular slabs, 164–165
- descriptions: **MCR-1**, 159; **MCR-2**, 135, 159–160; **MCR-3**, 159; **MCR-4**, 27, 163; **MCR-5**, 63, 164; **MCR-6**, 31, 63, 164–165; **MCR-7**, 31, 63, 164–165; **MCR-8**, 159–161, 166–167, 169; **MCR-9**, 36, 161, 163; **MCR-10**, 162–163; **MCR-11**, 161–163; **MCR-12**, 163, 386; **MCR-13**, 163; **MCR-14**, 163; **MCR-15**, 165; **MCR-16**, 165; **MCR-17**, 165–166; **MCR-18**, 165–166; **MCR-19**, 165, 167, 392; **MCR-20**, 166; **MCR-21**, 166, 396, 399; **MCR-22**, 167–168; **MCR-23–32**, 168; **MCR-33**, 168–169; **MCR-34**, 168; **MCR-35**, 169; **MCR-36**, 169; **MCR-37–39**, 170
- Monte Albán, Oax., 221, 237, 241, 427
- Monumental art, 114–158, 426–432, 436–438
- Monument motifs: clouds, 115, 117–119, 134–136, 141, 152, 426–427; concentric circles, 115, 135; diamond, 127, 151, 580; earth-monster faces, 82, 89, 127, 141–142, 150–151, 420, 427, 429, 437; paired *quetzal* birds, 123, 136, 427–429; plants (bromeliads), 115, 117, 122, 125, 136, 139–141; plants (squash), 117, 119, 134–135; raindrops, 115, 117–119, 123, 133–135, 137, 141, 152–154, 427; scrolls, 115, 117–119, 133–135, 138–139, 141, 427; undulating lines and oblongs, 127–129, 150–152, 429–431
- Monuments, Chalcatzingo: comparisons with those of other sites, 93–94, 123, 125, 127, 129, 136–137, 139, 142, 148–152, 154, 157, 426, 436; dating, 78–79, 426, 430, 436; description, 115–131; dimensions, 117; “frontier art style,” 436; interpretation, 132–158, 426–432; location, 114–116, 432; lack of highland antecedents, 428, 436, 438, 440; numbering system, 114, 117; as portraits, 65, 103, 112, 269–270, 423, 430. *See also* Monument motifs; Mutilation and decapitation
- Mon. 1 (I-A-1)**, 1, 10, 115–117, 124–125, 130, 132–133, 135–142, 155, 159, 166, 420, 425–427, 429, 431, 436
- Mon. 2 (I-B-2)**, 1, 119–120, 122, 141–145, 156, 259, 395, 427–428, 438
- Mon. 3 (I-B-3)**, 120–121, 144–145, 156, 428, 430, 438
- Mon. 4 (I-B-4)**, 121–122, 142, 145–148, 156, 428, 436, 438
- Mon. 5 (I-B-5)**, 122, 147–148, 156, 438
- Mon. 6 (I-A-3)**, 1, 117–118, 135–136, 139, 159
- Mon. 7 (I-A-2)**, 117–118, 134–135, 139, 159, 426
- Mon. 8 (I-A-6)**, 1, 118–119, 133, 139
- Mon. 9 (x-3)**, 63, 124–125, 127, 141–142, 420, 430
- Mon. 10 (VIII-1)**, 130, 154, 423, 425–426
- Mon. 11 (I-A-7)**, 118–119, 133, 139, 426
- Mon. 12 (II-2)**, 2, 122–124, 149, 156, 428–429

- Mon. 13 (I-B-1)**, 122–124, 141–142, 420
 —**Mon. 14 (I-A-5)**, 118–119, 134, 139
 —**Mon. 15 (I-A-4)**, 119–120, 134–135, 139, 426
 —**Mon. 16 (x-1)**, 1, 63, 122, 125–126, 141–142, 298
 —**Mon. 17**, 103–104, 112, 125–126, 155, 423
 —**Mon. 18 (III-9)**, 126, 149–150, 166, 430
 —**Mon. 19 (II-8)**, 123–124
 —**Mon. 20 (II-9)**, 39–40, 124, 126, 149
 —**Mon. 21 (III-7)**, 43–45, 65, 78, 126–127, 129, 150–151, 157, 429–430
 —**Mon. 22 (III-4)**, 48, 66, 78–79, 82–94, 127, 141, 336, 420, 430–431; chronology, 85–94; comparisons, 82, 93–94, 127; dating, 58, 93; excavation, 82–85
 —**Mon. 23 (III-5)**, 48, 65, 92–93, 127
 —**Mon. 24 (III-13/14)**, 127–128, 152, 154, 393, 430–431
 —**Mon. 25 (IV-5)**, 34–35, 78, 128–129, 151–152, 156, 436
 —**Mon. 26 (IV-6)**, 35, 78, 128–129, 156, 430, 436
 —**Mon. 27 (IV-7)**, 35, 65, 78, 127, 129–130, 151–152, 429–430
 —**Mon. 28 (IV-8)**, 36, 129–130, 152–153, 430
 —**Mon. 29 (x-4)**, 130
 —**Mon. 30 (x-2)**, 131
 Morelos state, 6–7; Late Formative settlement, western region, 365
 Moyotzingo, Pue., 210, 219
 Mutilation and decapitation: of figurines, 155, 252, 423; of monuments, 75, 93, 142, 150, 155

 National Geographic Society, vii
 National Science Foundation, vii
 Nexpa, Mor., 5, 274, 380, 382. *See also* Río Cuautla

 Oaxaca, Valley of, 206, 210, 236–237, 248, 351
 —Obsidian artifacts: bloodletters, 70, 291–292; eccentrics, 401; tools—*see* Lithics
 —concentration on T-37, 50, 75–76, 96, 305–306, 321–328, 380, 422; workshops, 75–76, 321–328, 360, 422
 —sources, 10, 440; source analysis, 380–384, 434
 Orientation, architectural. *See* Alignments and orientations
 Orizaba volcano, 132, 381
 Otumba, Mex., obsidian source, 10, 381–384, 434, 440
 Oxtotitlan cave, Gro., 3, 82, 150

 Pachuca, Hgo., obsidian source, 382
 Painted art, Chalcatzingo, 171–199, 394, 432; classification system, 171, 173; comparisons, 171, 178, 191, 193; location, 171, 173, 180, 183, 187, 194, 198; numbering system, 171, 173; red motifs, distribution, 199
 —by area: Barranca area, 172, 194–197; Cerro Chalcatzingo, 172–174; Cerro Delgado caves, 172, 187–194, 197–198; North Shelters, 172, 180–183; Saddle area, 172–180, 197; South Shelters, 183–187, 197–198
 Painted art, other sites: Cacaxtla, Tlax., 171; Cholula, Pue., 171; Popocatepetl volcano, 171; Teotihuacan, Mex., 149, 193; Texcalpintado, Mor., 171, 197; Yecapixtla, Mor., 171, 197
 Paredon, Hgo., obsidian source, 381–384, 434, 440
 Pico de Orizaba, Ver., obsidian source, 132
 Pit features: PC Str. 1, 27; T-11, 39–41; T-25, 58, 74, 83, 85–87, 448–449
 Plant remains, 19–20, 443
 Platform mounds, 64–66; comparisons, 66, 435; earthen—*see* Plaza Central: Str. 4; as possible external influence, 435–436; stone-faced—*see* Terraces: T-6, Str. 1; T-6, Str. 3; T-15, Str. 5; T-25, Str. 2; T-27, Str. 1; at Telixtac, 368, 370, 374, 422. *See also* Public architecture, Chalcatzingo: Formative period
 Plaza Central
 —Str. 1: alignment, 76–77; burials, 74, 101–107; dating, 58; elite residence, 27, 79, 98, 309, 421–422; excavations, 25–28
 —Str. 2: alignment, 76–77; burials, 74; dating, 58; excavations, 25, 27–29, 67; handstone, 29, 336–337; iron ore, 29; workshop, 70, 76, 79, 422
 —Str. 3, 25, 29, 68, 77; dating, 58
 —Str. 4: alignment, 76–77; association with Structure 5, 26; Burial 39, 30–31, 63, 96, 98, 100–110; Burial 40, 30–31, 63, 76, 96, 98, 100–101, 290; comparisons, 66; dating, 29, 31, 58; description, 63; elite burial location, 31, 63, 66, 100, 421; excavations, 25, 29–31; MCR stones, 164–165; monument location, 122, 126; public architecture, 63, 79; re-surfacing in Formative period, 25, 64; re-surfacing and modification in Classic period, 31, 33, 388; tombs, 31, 63, 76, 98
 —Str. 5, 25–26, 58, 64, 77
 —Str. 6, 25, 31–33, 77, 164
 Pollen: comparisons, 18–20; ecology, 17, 19; fossil, 18; and maize agriculture, 350; for room use analysis, 71–72; samples, 14, 17–18
 Popocatepetl volcano, 6, 8, 10, 31, 76, 439; rock paintings, 171
 Population, Chalcatzingo: Amate, 78, 351; Barranca, 79, 352; Cantera, 80, 357, 421
 Portable stone carvings. *See* Stone carvings, portable
 Portrait monuments, 65, 103, 112, 269–270, 423, 430
 Postclassic architecture, 77, 157, 395–396. *See also* Tetla: Postclassic house
 Potrero Nuevo, Ver., Mon. 2, 430
 “Processional” monument. *See* Monuments, Chalcatzingo: Mon. 2
 Public architecture, Chalcatzingo
 —Classic. *See* Terraces: T-3, Str. 1; T-3, Str. 2; T-15, Str. 2
 —Formative period: comparisons to other sites, 66, 435–436; PC Str. 4, 63–64, 66, 78–79, 435; PC Str. 5, 64, 79; PC Str. 6, 63–64, 78; T-6 Str. 1, 65; T-6 Str. 3, 65, 78; T-15 Str. 5, 65; T-25 Str. 2, 65, 92, 94; T-27 Str. 1, 65–66; T-29 Str. 1, 66
 —Postclassic, 77, 157, 395–396, 398. *See also* Adoratorio
 Puebla and Tlaxcala states: ceramics, 271; figurines, 425; ground stone artifacts, 341; settlement, 352, 360–361, 363, 365

 Radiocarbon dating, 29, 36, 56–61, 70, 73, 76, 370, 392, 394, 406–407, 444–456
 Raw material sources
 —local: cantera (granodiorite), 13, 163, 329, 377, 385–386; chert, 10, 360, 377, 385; ground stone, 13, 329; iron ore and pigment, 9, 377–379; kaolin, 10, 211, 377, 383–385; limestone, 377, 385
 —other regions: greenstone, 295, 383; obsidian, 132, 381–384, 434, 440
 Research funding, vii, 21
Resúmenes en español de los capítulos:
 Cap. 1, 5; Cap. 2, 13; Cap. 3, 20; Cap. 4, 55; Cap. 5, 61; Cap. 6, 80–81; Cap. 7, 94; Cap. 8, 113; Cap. 9, 131; Cap. 10, 158; Cap. 11, 170; Cap. 12, 199; Cap. 13, 251; Cap. 14, 263; Cap. 15, 270; Cap. 16, 294; Cap. 17, 304; Cap. 18, 319–320; Cap. 19, 328; Cap. 20, 342; Cap. 21, 367; Cap. 22, 375; Cap. 23, 386; Cap. 24, 399; Cap. 25, 408; Cap. 26, 419; Cap. 27, 433; Cap. 28, 441–442
 Río Chiquito, Ver., Mon. 2, 144
 Río Cuautla, Mor., 203, 206, 210–211
 Rituals of termination, 422–423

 Sacred mountain, 157–158, 421, 426, 430–432, 440
 Salinas La Blanca, Guat., 221, 230, 234, 237
 San Agustín, Chis., 234
 San Ignacio, Mor., 8, 357, 375, 387
 San Jerónimo, Gro., figurines, 425
 San José Mogote, Oax., 3, 66, 78, 219, 379, 422, 437
 San Lorenzo Tenochtitlan, Ver., 3, 66, 82, 93, 127, 132, 144, 380, 438, 441; ceramics, 202–203, 206, 210–211, 219, 229–230, 234, 236, 241, 248–250, 273–274, 276, 283, 287–288; figurines, 255; greenstone, 295; ground stone, 332
 —monuments: Mon. 7, 144; Mon. 10, 149; Mon. 26, 149
 San Martín Pajapan, Ver., Mon. 1, 141
 San Pablo, Mor., 5; architecture, 66; obsidian, 380, 382. *See also* Río Cuautla
 Santa Cruz, Chis., 206, 210, 221, 234, 241

- Seibal, Guat., 234
- Selected Stratigraphic Units (SSU), 56, 444–456; ceramic distributions by form, 203–204; ceramic distributions by types, 202
- Settlement
- Amatzinac valley: Archaic, 349; Amate, 346, 348–351, 356, 365–366; Barranca, 346, 352–356, 358, 365–366; Cantera, 346, 355–361, 365–366; Late Formative, 346, 356, 358, 361–366
- Chalcatzingo: Amate, 78; Barranca, 79; Cantera, 79–80; dispersed, 79–80, 421
- Settlement survey
- Amatzinac valley, 21, 343–366; changes by phase, 355–356, 358; landform zones, 344–345; major ceramic types by valley area, 359–360; methods, 343–348; population and site hierarchy, 346; population by sherd density, 344–345; settlement categories, 345; settlement hierarchy, 345–347; sherd density categories, 345; site descriptions, 509–524; statistics used, 347–349
- Chalcatzingo, 21–22
- Shell artifacts, 290–291
- Sinew artifact, 291
- Social ranking: archaeological criteria used, 96–100, 422
- Soils, present-day: corn yield comparisons, 412; mineral deficiencies, 411; and preferred crops, 411; *tierra amarilla*, 9, 14, 410–411; *tierra negra*, 9, 14, 17, 19, 410–411
- Springs, 6; at Atotonilco, 9; at Chalcatzingo, 10, 12, 51, 79, 350, 420; at Ixtlala, 9
- Stingray spines, 86, 87, 93, 109, 112
- Stone carvings, portable, 335–340; animal, 91, 335; cylinder, 91, 335–336; figures, 336; flower, 338–339; handstone, 29, 336–337; heads, 339; miscellaneous objects, 338–342; “plug,” 337; *yugito*, 337–338; “winged phallus,” 27, 72, 338–339
- Stratigraphic profiles: PC, 451–456; T-6, 444–445, 456; T-9A, 444–445; T-11, 445–446; T-15 Str. 5, 446; T-17, 447; T-20, 446; T-21, 446–447; T-23, 447–448; T-24, 448; T-25, 85, 448–451; T-29, 451; N-2, 444; N-7, 444–445; S-39, 451
- Stratigraphic units. *See* Selected Stratigraphic Units
- Takuhón copies of Chalcatzingo monuments, 132, 135, 142, 144–145
- Tehuacan valley, Pue.: ceramics, 206, 209, 219, 229–230, 236–237, 248, 289; figurines, 254–256, 258–259; ground stone, 329, 331–333, 335, 341–342; settlement, 351–352, 358, 361, 363
- Telixtac, Mor., 5, 8, 22, 285, 357, 368–375, 422; comparison to Chalcatzingo, 370, 374–375; dating, 59, 373; figurines, 253–254, 264, 370, 372–374; obsidian, 382
- Temescal* (sweat bath), 46
- Teopantecuanitlan, Gro., 3; comparisons with Chalcatzingo, 429, 440
- Teotihuacan, Mex., 5, 131, 149, 151, 193, 261, 287, 298, 294, 298
- and the Amatzinac valley: cotton production, 20; economic control, 363; general influences, 387
- Tepoxtitlan, Mor., 377–378
- Terraces
- T-1. *See* Plaza Central
- T-3, 23; Str. 1, 26, 29, 31, 34, 63–64, 170, 387–389; Str. 2, 2, 77, 387–391
- T-4, 23–24; Strs. 1 and 2, 25, 34, 58, 77; Str. 3, 34, 77, 392; Str. 4, 34, 58, 392–393
- T-6, 23–24; Str. 1, 25, 35–37, 44, 59, 65, 77–78; Str. 2, 25, 36–37, 59; Str. 3, 25, 36–37, 65, 77–78
- T-9A, 23–24; Str. 1, 25, 36–38, 58, 77, 394
- T-9B, 23–24; Str. 1, 25, 37, 39, 68, 74, 77
- T-11, 23–24; Strs. 1 and 2, 25, 37, 39–40, 58, 74, 77
- T-15, 23–24; Str. 1, 25, 41–42; Str. 2, 25, 42–43, 77, 388–390; Str. 3, 25, 42–43; Str. 4, 25, 43, 77, 390–391; Str. 5, 25, 43–45, 65, 77–78
- T-17, 23–24; platform, 25, 44, 77, 393
- T-20, 23–24; Str. 1, 25, 44–45, 394; Str. 2, 25, 44–45, 77, 393–394; Str. 3, 25, 44–45, 393–394
- T-23, 23–24; Fea. 1, 46; Feas. 4 and 7, 25, 46–47, 392–393; Str. 1, 25, 46–47, 59, 69, 71–74, 77
- T-24, 23–24; Str. 1, 25, 46–48, 77
- T-25, 23–24; Str. 1, 25, 48–58, 85–86; Str. 2, 25, 65, 77, 92–94
- T-27, 23–24; Str. 1, 25, 48–49; Str. 2, 25, 49–50, 77, 394–395
- T-29, 23–24; Str. 1, 25, 49, 51, 58, 77
- T-31, 24, 49–50
- T-37, 23–25, 50, 75–76, 96, 305–306, 321–328, 380, 422
- CT-1, 23, 25, 52
- CT-2: Str. 1, 25, 52–53, 394
- N-2, 23–24; Strs. 1 and 2, 25, 51, 59
- N-5, 23, 25, 51
- N-7, 23–24, 25, 51, 59
- S-39, 23–25, 50–52; possible pottery workshop, 51, 76, 282–283, 309, 422
- Terracing
- Chalcatzingo, 12–13; construction and dating, 19–20, 25, 33, 57, 79, 418, 420–421; numbering system, 21, 23–24
- El Palacio, 357
- Tetla, 54
- Tetelpan, D.F., 425
- Tetla, 22, 54, 157, 395–399; artifacts, 271, 287, 301–302, 406–408, 525–546; ball court, 396–398; description, 396–398; location, 11–13, 54, 397–398, 400; Mon. 29, 130; mounds, 396–398; name, 54; numbering, 21, 397–398; terracing, 54; water sources, 396
- Postclassic house, 54, 396, 398–400; activity areas, 400–401, 403–406; alignment, 77; artifacts, 401–402, 404; botanical remains, 406; ceramics, 401–402, 404, 406–408, 525–543; comparisons, 401, 404, 406–408; dating, 59, 406–407; excavations, 400–401; figurines, 401, 404, 408; lithics, 543–546; spindle whorls, 404–407, 542–545
- Texcalpintado, Mor., paintings, 171, 178, 197
- Ticomán, D.F., 5; ceramics, 234, 271, 273, 276, 283, 287–288; ground stone, 331–332, 340
- Tierras Largas, Oax., 66
- Tlatilco, Mex., 5, 27, 137; ceramics, 137, 203, 206, 210–211, 219, 274–275, 278; greenstone, 303; ground stone, 330, 332, 334
- “Tlatilco culture,” 434, 440
- TLaxcala. *See* Puebla and TLaxcala
- Toluca, Valley of, 225
- Totimehuacan, Pue., 360
- Trash deposits, 72–73; PC Str. 1, 72; T-21 Fea. 1, 46, 59, 72–73; T-25, 72, 79; T-27 Str. 2, Fea. 1, 395; at Telixtac, 370
- Tres Zapotes, Ver., 3, 138, 154; ceramics, 202, 211, 230, 234, 236–237, 241, 248–250, 274, 276, 283, 287, 482, 489–490; figurines, 256, 259; groundstone, 337, 351; Mon. F, 137; Mon. G, 137; Stela 1, 154; Stela C, 430
- Tula, Hgo., 289, 396, 398
- Uaxactun, Guat., 234, 242
- Valley of Mexico: ceramics, 210, 225–226, 243, 246; figurines, 252–259, 425; settlement, 350, 353–355, 360–361, 364–365
- Vegetation zones, Amatzinac Valley, 9, 14–17
- Water diversion constructions: dating, 32–33, 43; El Rey Drainage, 32; T-15 Str. 1, 32–33, 41–42, 114
- Weaving-related artifacts, 292–293
- “Were-jaguar” greenstone figure, 96, 98, 103–104, 112, 297, 302
- Wooden artifacts, 292–293
- Workers from Chalcatzingo, 2, 12
- Workshop areas, 70, 76, 79, 265, 282–283, 309, 422
- Xochicalco, Mor., 5; art motifs, 193; and Western Morelos, 387
- Yarumela, Hond., 3, 437
- Yecapixtla, Mor., paintings, 7, 171, 178, 197
- Yucatan, banana-shaped limestone objects from, 283

Zacatenco, D.F., 112, 285, 434; ceramics, 5, 219, 234, 240, 243, 245–246, 273, 276, 279, 283, 285, 287; figurines, 252, 256; greenstone, 298, 300, 303; ground stone, 330–332, 340

Zinacantan, Chis., houses, 75

Zohapilco, Mex., 5; ceramics, 206, 219, 230, 271, 274, 276, 279; figurines, 256; ground stone, 329, 331–332, 334, 341