

Contents

Preface xi
Color Portfolio xvii

Early Cultures 1

3500 BCE 5

Beginnings of China's Civilization 8
Niheliang Ritual Center 10
Early Indus Settlements 11
Predynastic Egypt 13
Mesopotamia 15
Catal Hüyük 17
Eridu and Uruk 19
European Megalithic Tombs 22
Stone Circles 23

2500 BCE 25

Indus Ghaggar-Hakra Civilization 28
Mohenjo-Daro 30
Early Empires of Mesopotamia 32
Ur 33
Ziggurat at Ur 34
Egypt: The Old Kingdom 37
Pyramids at Giza 41
Architecture and Food 44
Megalithic Temples of Malta 45
Stonehenge 47
First Civilizations of the Americas 50
Caral 51
El Paraiso 52

1500 BCE 53

Egypt: The New Kingdom 56
Mortuary Temple of Queen Hatshepsut 60
Sun Temple at Amarna 61
Abu Simbel 62
Egyptian Design Methods 63
Hittite Empire 64
Hattusas 65
Minoan Civilization 67
Knossos 68
Mycenaean Civilization 71
Treasury of Atreus 73
Sardinia 74
Civilization of the High Andes 75
Salinas de Chao 77
Poverty Point 78
Shang Dynasty China 79

800 BCE 81

Olmecs 84
San Lorenzo 85
La Venta 86
Chavín de Huántar 88

Zhou Dynasty China 90
Ritual Complex at Fengchu 91
Wangcheng Plan 92
Varanasi: The Aryan Conquest 93
Etruscan Civilization 95
Etruscan Religion 97
Etruscan Temples 99
Greece: Geometric Period 100
Emergence of the Greek Temple Form 102
Temple of Solomon 104
Kingdom of Kush 105
Sun Temple at Meroë 106
Neo-Assyrian Empire 107
Babylon 108

400 BCE 109

Achaemenid Dynasty 112
Persepolis 114
Classical Greece 116
Magna Graecia Temples 117
Greek Architecture and Language 118
Telesterion at Eleusis 120
Delphi 121
Temple of Apollo at Delphi 122
Ionic Order 123
Athenian Propylaea 125
Erectheum 126
Parthenon 128
Early Hellenic Age 130
Delos 131
Priene 132
Temple of Apollo at Didyma 133
Pergamon 134
Sanctuary of Athena at Lindos 135
Ptolemies 136
Temple of Horus 137
Advent of Buddhism 138
Asokan Pillars 139
China: The Warring States Period 140
Xianyang Palace 141
Tomb of Zeng Hou Yi 142
Late Olmec Centers 143
Kaminaljuyu 144

0 145

Republican Rome 148
Pompeii 149
Temple of Fortuna at Praeneste 150
Roman Urban Villa 151

CONTENTS

- Republican Tombs 152
- Tholoi Tombs 153
- Augustan Rome 154
- Forum of Augustus 155
- Corinthian Capitols 156
- Post-Augustan Rome 157
- Northern Palace at Masada 158
- Domus Aurea 158
- Palace of Domitian 159
- Colosseum 161
- Imperial Rome 162
- Rock-Cut Tombs 164
- Petra 165
- Development of Mahayana Buddhism 167
- Sanchi Complex 169
- Junnar Caves 171
- Caitya Hall at Kondivte 172
- Taxila: The Gandharan Cosmopolis 173
- Qin Dynasty China 174
- Mingtang-Biyong Ritual Complex 175
- Zhao Gong 176
- Great Wall of China 177
- Tomb of the First Emperor 178
- Shaft Tombs of Teuchitlán 180
- Nakbe 183
- El Mirador 184

- 200 CE** 185
- Roman Empire 188
- Pantheon 192
- Hadrian's Villa 195
- Roman Vertical Surface 197
- Roman Bath 199
- Diocletian's Palace 201
- Baalbek 203
- Ctesiphon 204
- Zoroastrian Fire Temples 206
- Buddhism of the Satavahanas 209
- Caitya Hall at Karli 210
- Kushan 211
- Takht-i-Bahi 212
- Han China 213
- Han Tombs 214
- Moche and Nazca Civilizations 215
- Nazca Lines 217
- Teotihuacán 218
- Temple of the Feathered Serpent 221
- Ohio's Hopewell Mounds 222

- 400 CE** 223
- Hindu Renaissance 226
- Gupta Period Temples 227
- Ajanta Caves 228
- Mahabodhi Temple 231
- Kushans of Bamiyan 232
- Establishment of Chinese Buddhism 233
- Mogao Caves 234
- Yungang Caves 236
- Emergence of Christianity 237
- St. John Lateran 239
- Martyria 240
- St. Peter's in Rome 241
- First Baptisteries 242
- Post-Constantinian Age 243
- Alahan Monastery 245
- Tomb of King Theodoric 247
- Zapotecs of Oaxaca 248
- Monte Albán 249
- Kofun Period: Japan 252

- 600 CE** 253
- Maya of the Yucatan 256
- Tikal 256
- Tiwanaku 259
- Age of Justinian 260
- SS. Sergius and Bacchus 261
- St. Vitale, Ravenna 263
- Hagia Sophia 264
- Byzantine Capitals 267
- Armenian Architecture 268
- Church of the Vigilant Powers 269
- St. Hripsime 270
- Rise of the Temple Kingdoms 271
- Shiva Temple at Elephanta 272
- Durga Temple and the Five Rathas 273
- Shore Temple at Mamallapuram 274
- Songyue Temple Ta (Pagoda) 275
- Sui and T'ang Dynasties 276
- Daming Palace 276
- Nara Period: Japan 278
- Ise Jingu 278
- Buddhism's Arrival in Japan 281
- Horyu-ji 282

- 800 CE** 283
- Chang'an, the T'ang Capitol 286
- Nanchan and Foguang Monasteries 288
- Korean Buddhism 290
- South Asian Hindu-Buddhism 291
- Kailasnath at Ellora 292
- Step Well at Abaneri 294
- Mahavihara at Nalanda 295
- Somapura Vihara 296
- Indonesia at a Crossroads 297
- Candi Prambanam 299
- Hindu Kingdoms of Cambodia 300
- Phnom Bakheng 301
- Construction in Southeast Asia 302
- Rise of Islam 303
- Dome of the Rock 304

Umayyad Mosque	305	Cappadocia	371
Baghdad	306	Mayan Uxmal	372
Great Mosque of Samarra	307	Cahokia	374
Great Mosque of Córdoba	308		
St. Maria de Naranco	310	1200 CE	375
Carolingian Empire	311	Vrah Vishnulok (Angkor Wat)	378
Plan of St. Gall	313	Lokesvara Temple (Preah Khan)	381
Royal Palace at Aachen	314	Kingdom of Pagan	382
Byzantine Empire	315	Kamakura Japan	384
Theotokos Tou Libos	316	Itsukushima Shrine	385
Germigny-des-Prés	317	Southern Song Dynasty	386
Pueblo Bonito	318	Yingzhao Fashi	387
Maya City-States	320	Yuan Dynasty	388
Copán	321	Delhi Sultanate	390
Quirigua	322	Quwwat-ul-Islam	390
		Tomb of Ghias-ud-Din Tughlaq	391
1000 CE	323	Sun Temple at Konarak	392
Rise of the Rajput Kingdoms	326	Hoysalas	393
Solankis	327	Vadakkunnathan Temple	394
Sun Temple at Modhera	328	African Kingdoms	395
Tantrism	329	Rock-Cut Churches of Lalibela	396
Chandellas	330	Europe: The High Middle Ages	397
Khandariya Mahadeva Temple	331	Chartres Cathedral	398
Vastu-Shastras	332	Amiens Cathedral	399
Lingaraja Temple	334	Notre-Dame of Reims	400
Jains	335	Cistercian Monasteries	401
Jain Temples at Mt. Abu	336	Castel del Monte	402
Cholamandalam	337	Mendicant Orders	404
Vijayalaya Cholisvaram Temple	338	Exeter Cathedral	405
Song Dynasty China	340	Italian Town Halls	406
Mu-Ta	341	Siena	407
Liao Dynasty	342	Republic of Novgorod	408
Pure Land Buddhism	344	Nasrid Sultanate	409
Seljuk Turks	345	Toltec Empire	412
Sultan Han	346	Tula	412
Great Mosque of Isfahan	347	Chichén Itzá	413
First Madrasas	349		
Mosque at Qayrawan	350	1400 CE	415
Muqarnas	351	Tenochtitlán	418
Fatimids	352	Chimu: Chan Chan	420
Almoravid Dynasty	353	Incas	421
Byzantine Revival	354	Machu Picchu	422
Ottonian Germany	356	Nomadic Invaders	424
Speyer Cathedral	358	Ming Dynasty China	425
Normans	359	Mount Wudang	425
Canterbury Cathedral	360	Forbidden City	426
Durham Cathedral	361	Temple of Heaven	428
Cefalu Cathedral	362	Joseon Dynasty	429
Dover Castle	363	Muromachi Japan	430
Pilgrimage Churches	364	Kinkakuji	430
Italian City-States	366	Ginkakuji	431
Cathedral of Pisa	367	Timurid Dynasty	432
Baptistry of Parma	368	Deccan Sultanates	434
Medieval Scandinavia	369	Mandu	435
Kievan Russia	370	Pandua	435

CONTENTS

- Jami Masjid of Ahmedabad 436
Ottoman Empire 437
Beyazit Medical Complex 438
Topkapi Palace 439
Mamluk Sultanate 441
Mausoleum Complex of Sultan Qaitbay 442
Republic of Venice 443
Cathedral of Florence 444
Florentine Loggias 446
Medici Palace 447
Italian Renaissance 448
St. Lorenzo 449
Santo Spirito 450
Rucellai Palace 451
Pienza 452
St. Andrea at Mantua 454
Villa Medici 455
Miracle Churches 456
St. Maria della Consolazione 457
St. Peter's Basilica 458
Vatican Belvedere 459
Piazza San Marco 460
French Chateaus 461
Liebfrauenmünster at Ingolstadt 462
- 1600 CE** 463
Tokugawa Shogunate 466
Nijo-jo 467
Nikko Toshogu 469
Ryoanji Temple 470
Voyages of Zheng He 471
Moghuls 472
Humayun's Tomb 472
Fatehpur Sikri 473
Diwan-i-Khas 475
Vijayanagar 476
Bijapur 477
Ibrahim Rauza 478
Sheikh Safi Tomb-Mosque 479
Shabanids of Bukhara 480
Spanish Conquest of America 481
Atrio 482
Escorial 484
Italian High Renaissance 485
Campidoglio 486
Il Gesù 487
Villa Farnese 488
Il Redentore 490
Palladian Villas 491
Villa Rotonda 492
Uffizi 493
Amsterdam 494
Amsterdam Town Hall 495
Place Royale 496
Elizabethan England 497
- Hardwick Hall 498
Banqueting House 499
Kremlin's New Churches 500
Church of the Ascension 501
Baroque Italy 502
St. Andrea al Quirinale 504
St. Carlo alle Quattro Fontane 505
St. Ivo alla Sapienza 506
San Filippo Neri 507
Church of the Visitation 508
Dogon of Mali 509
Architecture of the Eurasian Power Bloc 511
Katsura Rikyu (Katsura Imperial Villa) 513
Ming Tombs 517
Potala Palace 521
Rauza-I-Munavvara (Taj Mahal) 524
Isfahan 527
Suleymaniye Complex 529
St. Peter's Basilica 531
- 1700 CE** 535
Colonialism 538
Colonial Forts 540
Haciendas 541
Brazilian Haciendas 542
Coffee Houses 543
French Culture of Empire 544
Hôtel de Sully 546
Place Vendôme 547
East Facade of the Louvre 548
Chateau de Versailles 549
L'Observatoire-de-Paris 551
Hôtel des Invalides 552
Basilica of the Invalides 553
England: House of Stuart 554
Charnock's Tomb 555
St. Paul's Cathedral 556
Blenheim Palace 557
St. Mary Woolnoth 558
Spread of the Baroque 559
Valletta 560
Rococo and the Zwinger 561
Facade of Santiago de Compostela 562
Bavarian Baroque 563
Neresheim 564
Sans Souci 565
Georgian Architecture 566
Chiswick House 567
King's Chapel 568
Stowe Gardens 569
Temple of British Worthies 570
Qing Dynasty 571
Yuanmingyuan Gardens 572
Qingyi Garden 573
Edo, Kyoto's Odoi, and Shimabara 574

Korea: Choson Dynasty	576	London Law Courts	636
Nayaks of Madurai	577	Colonial Bombay	637
Mallas of Nepal	579	École des Beaux-Arts	638
End of the Moghuls	580	Paris Opera House	639
Jaipur	580	Domestic Victorian Architecture	640
Hawa Mahall	581	Queen Anne Style	641
Darbar Sahib	582	Henry Hobson Richardson	642
1800 CE	583	Arts-and-Crafts Movement	644
Qianlong Emperor	586	Morris and Lethaby	645
Chengde	587	Indo-Saracenic Style	646
Pulesi	588	Dutch Kampung	648
Putuo Zongcheng	588	Al-Rifa'i Mosque	649
Neoclassicism	589	Arts and Crafts in California	650
Syon House	590	Shingle Style	651
Piranesi and Romanticism	591	City Beautiful Movement	652
Strawberry Hill	592	Rise of Professionalism	653
Marc-Antoine Laugier	593	Skyscrapers	654
St. Geneviève	594	Wrigley Building	655
Petit Trianon	595	Campuses in the United States	656
Salt Works of Chaux	596	Art Nouveau	657
Bibliothèque Nationale	597	Maison Tassel	658
Neoclassicism in the United States	598	Casa Batlló	659
Napoleonic Cemeteries	599	Frank Lloyd Wright	660
Bank of England	600	Taliesin	661
Calcutta and the Writers' Building	601	Walter Burley Griffin	662
St. John's Church	602	International Beaux-Arts	663
Government House	603	Kyoto National Museum	664
Royal Pavilion	604	Colonial Africa	665
Panoptic Prisons	605	Deutsche Werkbund	666
Japan: Edo Period	606	Adolf Loos	667
Kanamaru-za	607	Concrete	668
Romantic Nationalism	608	Garnisonskirche	670
Altes Museum	609	Czech Cubists	671
St. Petersburg	611	Expressionism	672
Washington, D.C.	611	New Delhi	674
Shakers	613	Gunnar Asplund	675
August Welby Pugin	614	Hollyhock House	676
Westminster	615	De Stijl Movement	677
Jean Nicolas Louis Durand	616	Friedrichstrasse Office Tower	678
Greek Revival	617	Russian Constructivism	679
Tennessee State Capitol	618	Tatlin's Tower	680
Synagogues	619	Soviet Pavilion	681
Eugène Emmanuel Viollet-le-Duc	621	Bauhaus	682
Bibliothèque St. Geneviève	623	Vers une Architecture	684
John Ruskin	624	Villa Savoye	685
Wat Pra Kaew	625	Pavilion Suisse	686
1900 CE	627	1950 CE	687
Metropolitan Board of Works	630	Modernism	690
Railroad Stations	631	Weissenhof Siedlung	692
World Fairs	632	Lovell House	694
The Passage	633	CIAM	695
Central Park	634	Barcelona Pavilion	696
National Museums	635	Ankara	698
		Rockefeller Center	699

CONTENTS

Buckminster Fuller	700
Palace of the Soviets	702
Czechoslovakia	704
Japanese Pavilion	705
Brazilian Modernism	706
Villa Mairea	708
Usonian Houses	709
Fallingwater	710
Kleinhans Music Hall	711
Lebanese Modernism	712
Israeli Modernism	713
Nazis	714
Italian Fascist Architecture	715
Casa del Fascio	716
IIT Library Building	717
Farnsworth House	718
Eames House	719
Guggenheim Museum	720
Chapel at Ronchamp	721
Säynätsalo Town Hall	722
Yale University Art Gallery	723
Brasília	724
Chandigarh	726
Secretariat and High Court	727
Assembly Building	728
Ahmedabad	729
Eero Saarinen	730
Sydney Opera House	731
Uruguayan Modernism	732
Caribbean Modernism	733
Ekistics	734
Mao Tse-tung's China	735
National School of Art, Havana	736
Salk Institute	737
Metabolism	738
University of Ibadan	739
SOM	740
Archigram	741
Brutalism	742
Doshi and Correa	744
Postmodernism	746
Postmodern Museum	749
Postmodern Nonwestern World	750

Globalization Takes Command 753

Glossary	759
Bibliography	769
Photo Credits	778
Index	781