

CONTENTS

List o f Contents	VII
Preface	XV
List o f Figures	XIX
List o f Plates	XXVII

PART I EARLY CIVILISATIONS OF EUROPE & WESTERN ASIA

1 THE SACRED MOUNTAIN — Mesopotamia and Elam	1
Introduction	1
The temple in Mesopotamian society	3
Earliest cult buildings (< 11,000-6000 BC)	4
Emergence of temples and sanctuaries (c. 6000-3000 BC)	7
Sumerian temples (c. 3000-2300 BC)	17
Ziqqurats	25
Ascendence of the direct-approach temple in the 2nd millennium	35
Elam	48
Neo-Assyrian and Neo-Babylonian temples	56
Greek resurgence	64
2 HOUSES OF ETERNITY—Egypt of the Pharaohs	66
Introduction	66
Pyramid temples	69
Valley temples	80
Middle Kingdom divine-ruler cult temples	82
New Kingdom divine-ruler cult temples	86
God-cult temples down to the Old Kingdom	88
Sun sanctuaries	95
Middle Kingdom god-cult temples	99
New Kingdom god-cult temples	103
New Kingdom 'houses of eternity'	110
The Temples of Amun in Eastern Thebes	113
Ramesside temples	123
Temples of the last pharaohs (10th-4th centuries BC)	126
Temples of the Graeco-Roman period (c. 300 BC-300 AD)	131

3 FACE-TO-FACE WITH GOD — Syria-Palestine	144
Earliest cult buildings (c. 10,000-4000 BC)	144
Syro-Palestinian temples: general features	145
Temples of the Chalcolithic period and Early Bronze Age (c. 4500-2000 BC)	152
Temples of the Middle and Late Bronze Ages (c. 2000-1200 BC)	159
Bronze Age open-air and rural sanctuaries	174
Temples of the Iron Age (c. 1200-600 BC): introduction	177
Indirect-approach Iron Age temples	179
Israelite 'state' religious architecture	183
Non-Yahwist temples of the Palestinian Iron Age	189
Mainland Phoenician temples (c. 1000-400 BC)	191
Syro-Hittite temples	193
 4 THE THOUSAND GODS OF HATTI — Anatolia before the Greeks	198
Introduction	198
Epipalaeolithic and Neolithic periods (c. 11,000-5500 BC)	200
Chalcolithic period (c. 5500-3000 BC)	209
Non-Hittite temples of the Bronze Age (c. 3000-1200 BC)	211
Imperial Hittite temples and sanctuaries	219
Phrygian temples and sanctuaries	234
Urartian temples and sanctuaries	239
 5 DILMUN & THE SPICE KINGDOMS — Arabian Peninsula & Persian Gulf	245
Introduction	245
Dilmun	247
Magan	259
The south Arabian kingdoms	261
 6 MEGALITHS, EARTHWORKS & SACRED GROVES — Europe before the Romans	281
Introduction	281
Cult buildings of Neolithic southeastern Europe (c. 6500-4000 BC)	281
Ceremonial monuments of Neolithic and Early Bronze Age western Europe	284
Earthworks, megaliths and timber-post structures: basic forms	291
Causewayed enclosures and henges	291
Menhir rings	298
Concentric-post structures and palisaded enclosures	305
Burial monuments	308
Artificial hills	311
Menhir alignments, cursuses and avenues	315
Ceremonial clusters and networks	320

	CONTENTS	IX
Transitions	324	
Pre-Roman Iron Age sanctuaries and temples	326	
7 POTNIA & LABRYS — Minoans, Mycenaean and Early Cypriotes	339	
Minoan Crete	339	
Mycenaean Greece and the Aegean	356	
Mycenaean Crete	376	
Cyprus in the Bronze and Iron Ages	378	
The Phoenicians on Cyprus	390	
8 THE GODDESS & THE BULL — The Preclassical West Mediterranean	394	
The Maltese Islands	394	
Sardinia	409	
The Balearic Islands	414	
The Punic West	419	
PART II		
THE GRAECO-ROMAN WORLD		
9 A HARMONY OF TENSIONS — Greece and the Hellenic World	426	
Introduction	426	
Early temples and sanctuaries (<i>c.</i> 1000-600 BC)	429	
Emergence of the Doric and Ionic Orders (<i>c.</i> 600-480 BC)	436	
The Classical floruit (<i>c.</i> 480-330 BC)	447	
Hellenistic developments (<i>c.</i> 330-100 BC)	464	
10 TEMPLUM CAELESTE — Etruscan and Roman Italy	474	
Italic sanctuaries: situation and function	474	
Italic sanctuaries: content and organisation	476	
Iron Age temples (9th-7th centuries BC)	488	
Integrating oikos and platform/podium (<i>c.</i> 630-570 BC)	492	
Developments in the pars interior and pars proxima	493	
Resurgence of the prostylos temple	509	
Circular temples	514	
The Italic temple in elevation	522	
11 THE STAMP OF ROME — The Western Roman Provinces	527	
Introduction	527	
The west European provinces	528	

x	G.j.	WIG	HTM	AN	
					552
					558
					562
12	WHERE EAST MEETS WEST — Roman East and the Parthian Frontier				579
	Greece and the east Mediterranean				579
	Asia Minor				587
	Egypt and Cyrenaica				605
	Syria				609
	Nabataea				634
	Judea and Samaria				648
	Neo-Aramaean and Parthian Mesopotamia				653

PART III
CENTRAL & EAST ASIA

13	CULTS OF FIRE & WATER — The Iranian World and Central Asia	660
	Introduction	660
	The Neolithic Period and Bronze Age	662
	Early Iranian religion	666
	Median temples	668
	Achaemenid religious architecture	673
	Iranian temples of the late Achaemenid and Hellenistic periods	680
	Parthian and Kushan temples	686
	Sasanian temples	695
14	FOOTSTEPS OF THE BUDDHA — Pre-Gupta India	703
A.	Prelude: The Bronze and Iron Ages (<i>c. 3000-500 BC</i>)	703
B.	Stupas	708
	The stupa in early Buddhism	708
	Origin and meaning of the stupa	709
	The 'classical' Buddhist stupa	711
	Madhya and Uttar Pradesh	715
	Gandhara	727
	Andhra Pradesh	733
C.	Early Buddhist and Hindu temples	737
	Introduction	737
	Chaitya grihas and deva grihas	738

CONTENTS

XI

15 HEAVEN, EARTH & ANCESTORS — China from the Neolithic to the Han	768
Introduction	768
Religion and philosophy in early dynastic China	770
Early ceremonial and religious architecture	773
PART IV	
THE AMERICAS	
16 LAND OF THE FOUR QUARTERS — Pre-Inca Peru and South America	787
Introduction	787
Ancient Peruvian religion	787
Coastal ceremonial centres of the Preceramic period (3rd millennium)	790
Highland ceremonial centres of the Preceramic period	794
Ceremonial centres of the Initial period (<i>c.</i> 2100-800 BC): general features	796
The 'U-shaped' style of the south-central coast	798
The 'enclosed court' style of the central coast	804
The north coast 'trabeated' style	814
Chavín de Huantar and the Early Horizon (<i>c.</i> 800-100 BC)	819
The Chiripa culture of Lake Titicaca	826
The legacy of Chavín: Moche, Nazca and Tiwanaku	829
17 CHILDREN OF THE JAGUAR — The Preclassic Period in Mesoamerica	838
Introduction	838
Olmec and related ceremonial centres	839
Zapotec temples	847
The Central Mexican Plateau (<i>c.</i> 800-100 BC)	852
The Preclassic Maya	855
Late Preclassic Teotihuacan	870
18 THE LAND AS TEMPLE — Archaic & Earlier Woodland North America	882
Introduction	882
Archaic Period ceremonial centres	883
Earlier Woodland ceremonial centres	888

PART V
THEMES & ISSUES

19	IDENTITY AND MEANING	898
	Why temples?	898
	Identifying cult buildings	899
	The temple as symbol and metaphor	904
	Locating the temple	915
	The realms of sacred space	915
	Stone Age sacred spaces	916
	Sacred spaces in urban context	919
20	THE LANGUAGE OF SACRED SPACE	929
	A spatial grammar and syntax	929
	The concept of sacrality	929
	Inaugurating sacred space	930
	Primary space: the cult object and holy-of-holies	932
	Secondary space: the cella	934
	Basic forms of cellae and holy-of-holies!	934
	Placement of the cult object	938
	Access and communication	939
	Cultic furniture	940
	Tertiary space: mediating movement	941
	Quaternary space: public access and peripheries	947
	Building upwards and downwards	952
	Columns and pillars	956
	Principles of organisation	959
	Axiality and centricity	960
	Linearity and concentricity	962
	Desaxial and non-axial organisation	973
	Broader-scale organisation	979
	Orientation and alignment	979
	Theory and method	979
	Conspectus	986
	Scale and proportion	992

CONTENT'S	XIII
21 TEXT AND IMAGE	1002
Temple and text	1002
Temple imagery	1003
Typology	1003
Conspectus	1006
The emergence of temple imagery (c. 10,000-4000 BC)	1007
Mesopotamia	1008
Egypt	1009
Syria-Palestine	1011
Bronze and Iron Age Anatolia	1012
Arabian Peninsula and Persian Gulf	1013
Bronze and Iron Age Mediterranean	1013
Hellenic Greece	1014
Etruscan and Roman Italy	1015
The Roman Empire	1016
Iran, Afghanistan and the Parthian world	1017
India	1017
China	1019
The Americas	1020
GLOSSARY OF ARCHITECTURAL TERMS	1023
REFERENCES	1033
PHOTOGRAPHIC CREDITS	1110
INDEX	1111