

# CONTENTS

<i>Preface</i>	<i>page xi</i>
<b>1 Introduction</b>	<b>1</b>
<b>2 Popularity of Roman Bathing Culture</b>	<b>5</b>
<b>3 Bathing Rituals and Activities</b>	<b>11</b>
Time of Bathing	11
Routine of Bathing	12
Bathing, Exercise, and Games	14
Bathing Order	17
Entertainment in Baths	18
Eating and Drinking in Baths	19
Seneca's Description of Public Baths	20
<b>4 Critics of Roman Bathing: Ethical and Moral Concerns</b>	<b>22</b>
Yearning for Republican Simplicity and Criticism of Luxury	23
Did Roman Baths Encourage Uncouth Behavior?	25
Excesses of Eating and Drinking	26
Sex, Nudity, Men, Women	27
The Roman Bath as a Democratic Institution	34

## CONTENTS

<b>5</b>	<b>Origins and Development of Roman Baths and Bathing</b>	<b>40</b>
	Literary Evidence	40
	The Greek Bath and the Greek Gymnasium	41
	Farm Traditions of Rural Italy	45
	<i>Balneae</i> and <i>Thermae</i>	48
	Thermal Baths and Spas	49
	Archaeological and Physical Evidence	51
	Early Examples from Pompeii, Campania, and Fregellae	52
	The Pompeian/Campanian Bath Type and Its Dissemination	58
	Baths in Rome, Ostia, and Tivoli	66
	Rome	66
	Ostia	69
	Tivoli	71
	Baths of Hippias: A Neighborhood Bath	74
<b>6</b>	<b>Heating and Water Supply Systems of Roman Baths</b>	<b>80</b>
	The Heating of Roman Baths	81
	Floor Heating Systems and the Hypocaust	81
	Sergius Orata and the Origins of the Hypocaust	84
	Wall Heating Systems	86
	Tiles with Nipples ( <i>Tegulae Mammatae</i> ) and Box-Tiles ( <i>Tubuli</i> )	87
	Furnaces	89
	Heating of Water and Boilers	91
	<i>Testudines Alveolorum</i>	92
	<i>Laconica</i> and Steam Bathing	94
	Water Supply Systems	97
<b>7</b>	<b>Architecture of Roman Baths</b>	<b>101</b>
	The <i>Thermae</i> of Rome	101
	The Baths of Agrippa, First among the Imperial <i>Thermae</i>	105
	What Is as Bad as Nero, What Is as Good as His <i>Thermae</i> ?	107
	<i>Thermae</i> of Trajan – The Maturation of a Type	107
	<i>Thermae</i> of Caracalla: The Flagship of the Imperial <i>Thermae</i>	110
	The Great Costs of Building an Imperial <i>Thermae</i>	118

## CONTENTS

Life in the Great Thermae	119
Gymnastic Uses of the Thermae	120
Roman Attitudes toward Gymnastics and the Gymnasium	120
Athletic Clubs in Thermae	122
Libraries and Classrooms in Thermae	123
The Immersive Sensory Experience of Thermae	126
<b>8 Provincial Baths of North Africa</b>	<b>133</b>
Imperial Thermae in North Africa	136
Hadrianic Baths in Lepcis Magna	136
Antonine Thermae in Carthage	138
Large East Baths at Mactar	140
The Large Baths at Djemila and the Baths of Licinius at Dougga	141
The Baths of Julia Memmia at Bulla Regia – An Example of the Half-Axial Type	144
Small Baths with Creative Plans	145
The Small Baths at Cherchel and the South Baths at Karanis	146
The Small Central Baths at Timgad	147
The Hunting Baths at Lepcis Magna: “Purely Functional Form”	147
The Small Baths at Thenae	150
The Baths of Pompeianus at Oued Athmenia	151
<b>9 Baths and Bathing in Asia Minor: The Gymnastic Tradition</b>	<b>154</b>
The Bath–Gymnasium Complex: A New Architectural Type	155
The Baths of Vergilius Capito at Miletus: An Early Bath–Gymnasium	158
The Harbor Bath–Gymnasium at Ephesus: A Grand Establishment	160
The Vedius Bath–Gymnasium at Ephesus and the Imperial Bath–Gymnasium at Sardis	161
The Imperial Halls and the “Marble Court” of Sardis	164
An Unusual and Awkward Plan: The East Bath–Gymnasium at Ephesus and the Bath–Gymnasium at Alexandria Troas	167
The Baths of Faustina at Miletus: An Asymmetrical Arrangement	168

## CONTENTS

The Bath–Gymnasium during Late Antiquity	170
Baths of the Southern Hilly Regions: Lycia, Pamphylia, and Pisidia	173
The Baths of Rough Cilicia	176
“Hall Type” Baths and Their Social Significance	178
<b>10 Bathing and Baths in the East during the Late Antique and Byzantine Periods: New Paradigms of Social Use</b>	<b>181</b>
The Baths of Constantinople	183
The Thermae of Zeuxippos	184
The Neighborhood Trilogy: The Mansion, the Church, and the Bath	186
Roman Baths of Antioch	188
“Somewhat to Our Dismay, It (Is) Another Bath”:	
Bath C	189
Bath E	190
Small Baths in Syria as Agents of a New Social Paradigm	192
Some Thoughts on the Sources of the New Social Meaning in Bath Design and Use	194
Some Large Baths in Syria	196
<b>11 Transformations of Roman Baths and Bathing in Christian and Islamic Societies</b>	<b>199</b>
Christianity and the Changing Bathing Culture: “He Who Has Bathed in Christ Has No Need of a Second Bath”	201
What Christianity Really Objected to in Bathing	204
<i>Alousia</i> or the State of Being Unwashed	206
Early Islamic Baths in Syria: A Seamless Tradition	206
An Islamic Palace Bath: Khirbat al-Mafjar	209
The Bath as a Pleasurable Gathering of Friends in Islamic Society	211
<b>12 Baths, Bathing, and Cleanliness in Postclassical European Societies</b>	<b>213</b>
Baths in the Middle Ages: Agents of Hygiene or “Aesthetic Promiscuity”	214
“Bath Houses, Flee from Them or You Shall Die!”	218
Water as a Harmful Element and Cleanliness as a Matter of Appearance	219
Western Christianity and Latter-Day <i>Alousia</i>	220

## CONTENTS

Rediscovery of Public Bathing	222
Oriental Baths and Orientalism	225
<i>Selected Bibliography</i>	231
<i>Glossary</i>	245
<i>Index</i>	251