

Contents

FOREWORD	
<i>A. Colin Renfrew</i>	vii
PREFACE AND ACKNOWLEDGMENTS	ix
CONTRIBUTORS TO THE VOLUME	xi
BIBLIOGRAPHY OF PETER IAN KUNIHOLM	xv
<hr/>	
PETER KUNIHOLM'S DENDRO TIME	
<i>Fritz H. Schweingruber</i>	1
PERSPECTIVE: ARCHAEOLOGY, HISTORY, AND CHRONOLOGY FROM PENN TO THE PRESENT AND BEYOND	
<i>James Muhly</i>	3
EXCURSIONS INTO ABSOLUTE CHRONOLOGY	
<i>M. G. L. Baillie</i>	13
ONE HUNDRED YEARS OF DENDROARCHAEOLOGY: DATING, HUMAN BEHAVIOR, AND PAST CLIMATE	
<i>Jeffrey S. Dean</i>	25
THE ABSOLUTE DATING OF WASSERBURG BUCHAU: A LONG STORY OF TREE-RING RESEARCH	
<i>A. Billamboz</i>	33
IS THERE A SEPARATE TREE-RING PATTERN FOR MEDITERRANEAN OAK?	
<i>Tomasz Wazny</i>	41
DENDROCHRONOLOGICAL RESEARCH AT ROSSLAUF (BRESSANONE, ITALY)	
<i>Maria Ivana Pezzo</i>	51
THE DEVELOPMENT OF THE REGIONAL OAK TREE-RING CHRONOLOGY FROM THE ROMAN SITES IN CELJE (SLOVENIA) AND SISAK (CROATIA)	
<i>Aleksandar Durman, Andrej Gaspari, Tom Levanič, Matjaz Novšak</i>	57
DENDROCLIMATOLOGY IN THE NEAR EAST AND EASTERN MEDITERRANEAN REGION	
<i>Ramzi Touchan and Malcolm K. Hughes</i>	65
A 924-YEAR REGIONAL OAK TREE-RING CHRONOLOGY FOR NORTH CENTRAL TURKEY	
<i>Carol B. Griggs, Peter I. Kuniholm, Maryanne W. Newton, Jennifer D. Watkins, and Sturt W. Manning</i>	71

DENDROCHRONOLOGY ON <i>PINUS NIGRA</i> IN THE TAYGETOS MOUNTAINS, SOUTHERN PELOPONNISOS <i>Robert Brandes</i>	81
COULD ABSOLUTELY DATED TREE-RING CHEMISTRY PROVIDE A MEANS TO DATING THE MAJOR VOLCANIC ERUPTIONS OF THE HOLOCENE? <i>Charlotte L. Pearson and Sturt W. Manning</i>	97
DENDROCHEMISTRY OF <i>PINUS SYLVESTRIS</i> TREES FROM A TURKISH FOREST <i>D. K. Hauck and K. Ünlü</i>	111
NEUTRON ACTIVATION ANALYSIS OF DENDROCHRONOLOGICALLY DATED TREES <i>K. Ünlü, P. I. Kuniholm, D. K. Hauck, N. Ö. Cetiner, and J. J. Chiment</i>	119
THIRD MILLENNIUM BC AEGEAN CHRONOLOGY: OLD AND NEW DATA FROM THE PERSPECTIVE OF THE THIRD MILLENNIUM AD <i>Ourania Kouka</i>	133
MIDDLE HELLADIC LERNA: RELATIVE AND ABSOLUTE CHRONOLOGIES <i>Sofia Voutsaki, Albert J. Nijboer, and Carol Zerner</i>	151
ABSOLUTE AGE OF THE ULUBURUN SHIPWRECK: A KEY LATE BRONZE AGE TIME-CAPSULE FOR THE EAST MEDITERRANEAN <i>Sturt W. Manning, Cemal Pulak, Bernd Kromer, Sahra Talamo, Christopher Bronk Ramsey, and Michael Dee</i>	163
HOW ABOUT THE PACE OF CHANGE FOR A CHANGE OF PACE? <i>Jeremy B. Rutter</i>	189
ARCHAEOLOGISTS AND SCIENTISTS: BRIDGING THE CREDIBILITY GAP <i>Elizabeth French and Kim Shelton</i>	195
CENTRAL LYDIA ARCHAEOLOGICAL SURVEY: DOCUMENTING THE PREHISTORIC THROUGH IRON AGE PERIODS <i>Christina Luke and Christopher H. Roosevelt</i>	199
THE CHRONOLOGY OF PHRYGIAN GORDION <i>Mary M. Voigt</i>	219
THE END OF CHRONOLOGY: NEW DIRECTIONS IN THE ARCHAEOLOGY OF THE CENTRAL ANATOLIAN IRON AGE <i>Geoffrey D. Summers</i>	239
THE RISE AND FALL OF THE HITTITE EMPIRE IN THE LIGHT OF DENDROARCHAEOLOGICAL RESEARCH <i>Andreas Müller-Karpe</i>	253
AEGEAN ABSOLUTE CHRONOLOGY: WHERE DID IT GO WRONG? <i>Christos Doumas</i>	263
<hr/>	
THE THERA DEBATE	275
COLD FUSION: THE UNEASY ALLIANCE OF HISTORY AND SCIENCE <i>Malcolm H. Wiener</i>	277

SANTORINI ERUPTION RADIOCARBON DATED TO 1627–1600 BC: FURTHER DISCUSSION <i>Walter L. Friedrich, Bernd Kromer, Michael Friedrich, Jan Heinemeier, Tom Pfeiffer, and Sahra Talamo</i>	293
DATING THE SANTORINI/THERA ERUPTION BY RADIOCARBON: FURTHER DISCUSSION (AD 2006–2007) <i>Sturt W. Manning, Christopher Bronk Ramsey, Walter Kutschera, Thomas Higham, Bernd Kromer, Peter Steier, and Eva M. Wild</i>	299
THERA DISCUSSION <i>Malcolm H. Wiener, Walter L. Friedrich, and Sturt W. Manning</i>	317