CONTENTS

	Maps and Illustrations		1X
	Acknowledgments		ix
	Preface to the 2014 Edition		xiii
	Introduction		Ι
	PART I BEFORE THE INDUSTRIAL REVOLUTION		17
Ι	First Encounters: Impressions of Material Culture in an Age of Exploration		21
	Technology—Perceptions of Backwardness; Qualified Praise	32	
	"Natural Philosophy"—Illiteracy and Faulty Calendars	53	
	Scientific and Technological Convergence and the First Hierarchies of Humankind	59	
2	The Ascendancy of Science: Shifting Views of Non-Western		
	Peoples in the Era of the Enlightenment		69
	Model of Clay: The Rise and Decline of Sinophilism in Enlightenment Thought	79	
	Ancient Glories, Modern Ruins: The Orientalist Discovery of Indian Learning	95	
	African Achievement and the Debate over the Abolition of the Slave Trade	108	
	Scientific Gauges and the Spirit of the Times	122	

	PART II THE AGE OF INDUSTRIALIZATION		129
3	Global Hegemony and the Rise of Technology as the Main Measure of Human Achievement Africa: Primitive Tools and the Savage Mind		133
	India: The Retreat of Orientalism	166	
	China: Despotism and Decline	177	
	Material Mastery as a Prerequisite of Civilized Life	194	
4	Attributes of the Dominant: Scientific and Technological Foundations of the Civilizing Mission Perceptions of Man and Nature as Gauges of Western Uniqueness and Superiority	210	199
	The Machine as Civilizer	221	
	Displacement and Revolution: Marx on the Impact of Machines in Asia	236	
	Time, Work, and Discipline	241	
	Space, Accuracy, and Uniformity	259	
	Worlds Apart: The Case of Ye Ming-chen	266	
5	The Limits of Diffusion: Science and Technology in the Debate over the African and Asian Capacity for		
	Acculturation		271
	The First Generations of Improvers The Search for Scientific and Technological Proofs of Racial Inequality	275 292	
	Qualifying the Civilizing Mission: Racists versus Improvers at the Turn of the Century	318	
	Missing the Main Point: Science and Technology in Nineteenth- Century Racist Thought	338	
	PART III THE TWENTIETH CENTURY		343
6	The Great War and the Assault on Scientific and Technological Measures of Human Worth		345
	The Specter of Asia Industrialized	357	
	Trench Warfare and the Crisis of Western Civilization	365	
	Challenges to the Civilizing Mission and the Search for Alternative Measures of Human Worth	380	
	Epilogue: Modernization Theory and the Revival of the Technological Standard		402
	Index		419