












	ACKNOWLEDGMENTS	3
	Claus Kropp	
	WELCOMING WORDS AND PROLOGUE	4
	Kirsten Worms and Hermann Schefers	
	EDITORS' PREFACE	6
	Lena Zoll and Claus Kropp	
	DRAFT ANIMALS IN THE WORLD	9
	Paul Starkey and Bertha Mudamburi	
	DRAFT ANIMAL ISSUES, CONSTRAINTS AND OPPORTUNITIES IN AFRICA	29
	Bertha Mudamburi and Paul Starkey	
	SPEEDING UP. PREHISTORIC ANIMAL TRACTION AND THE REVOLUTE JOINT	45
	Eva Rosenstock	
	"...IN WINTER, PLOUGH": ZOOARCHAEOLOGICAL EVIDENCE FOR THE CHANGING ROLE OF DRAUGHT CATTLE AND HORSES IN MEDIEVAL ENGLAND AD 400-1400	63
	Matilda Holmes and Richard Thomas	
	SCOTTISH FARM HORSEMEN'S SOCIETY	71
	Bob Powell	
	EYE-TO-EYE WITH ANIMAL DRAFT IN FRANCE – A CASE STUDY IN A BROADER ECOSYSTEM	79
	Cozette Griffin-Kremer	
	THE INTRODUCTION OF DRAFT DONKEY IN BURKINA FASO, WEST AFRICA	87
	Marcel Scheidweiler	
	DRAUGHT ANIMALS IN ANCIENT MESOPOTAMIA AND TODAY: THE INVALUABLE DONKEY	95
	Jill Goulder	
	HOW MUSEUM COLLECTIONS TELL US STORIES ABOUT DRAFT ANIMALS	107
	Barbara Sosič	
	DRAFT ANIMALS IN MUSEUM EDUCATION AT THE NATIONAL MUSEUM OF AGRICULTURE AND AGRI-FOOD INDUSTRY IN SZRENIAWA (POLAND)	113
	Witold Wołoszyński and Julia Hanulewicz	
	THE ROLE OF DRAFT CATTLE IN (ARCHAEOLOGICAL) OPEN-AIR MUSEUMS AND LIVING HISTORY FARMS – A PERSONAL ESSAY	123
	Claus Kropp	

	WORKING ANIMALS – A HISTORICAL APPROACH	129
	Peter Moser	
	OXEN: STATUS, USES AND PRACTICES IN THE U.S.A., ENCOURAGING A HISTORIC TRADITION TO THRIVE	137
	Andrew B. Conroy	
	AMISH ANIMAL TRACTION – TAKING ITS PLACE IN THE WORLDWIDE PRACTICE OF FARMING WITH HORSES	153
	Dale K. Stoltzfus	
	HORSEPOWER – INNOVATION IN SMALL-SCALE AGRICULTURE AND GARDENING	157
	Paul Schmit	
	ANIMAL DRAWN BIOMECHANICAL SYSTEM (ADBIS) FOR TILLAGE IN COLOMBIA	165
	Hugo Samuel Sanhueza Leal, Oscar Leonardo García Navarrete and Hugo A. González Sánchez	
	MODERNIZING MECHANIZATION IN DRAFT ANIMAL USE FOR A SUSTAINABLE PEASANT AGRICULTURE	177
	Philippe Lhoste	
	A HOMAGE TO JO BALLADE	183
	Philippe Lhoste	
	A TOOL FOR THE ACHIEVEMENT OF THE SUSTAINABLE DEVELOPMENT GOALS SET UP BY UNITED NATIONS	185
	Antonio Perrone	
	STERLING COLLEGE DEGREE PROGRAM “SUSTAINABLE AGRICULTURE AND DRAFT ANIMAL POWER SYSTEMS”	191
	Rick Thomas	
	REFINING ANIMAL TRACTION: LINKING PHYSICAL AND SOCIAL PROCESSES	197
	Timothy Harrigan	
	ANIMAL TRACTION IN EUROPE IN THE XXI CENTURY: CHALLENGES, THREATS AND OPPORTUNITIES	211
	João B. Rodrigues and Pit Schlechter	
	EPILOGUE	217
	Astrid Masson	
	IMPRINT	219

