

Steven S. Waller has a research and teaching appointment in the Department of Agronomy at the University of Nebraska-Lincoln. He has been at Lincoln since 1978 and prior to that he was a faculty member in the Animal Science Department at South Dakota State University. Dr. Waller teaches an undergraduate course in range management and improvement, and co-teaches livestock management on range and pasture and forage evaluation with members of the Animal Science faculty. His research has been primarily in the area of vegetation manipulation, revegetation and increased efficiency of forage utilization.

Dr. Waller attended Vincennes University, Purdue University and Texas A&M University with emphasis in plant ecology and range management. He is a member of the Society for Range Management, Nebraska Forage and Grassland Council, Gamma Sigma Delta, and Sigma Xi.

Patrick E. Reece has a split Extension and Research appointment (50/50) with the University of Nebraska-Lincoln and is stationed at the Panhandle Research and Extension Center in Scottsbluff, Nebraska. He has worked at the Panhandle Center since 1978 as a Range Management Extension Specialist and an Assistant Professor of Agronomy. Dr. Reece specializes in grazing and range management concerning optimum integration and use of grazing resources and overall profitability of ranch operations. Extension and research activities are based upon ecological and economic principles that incorporate an understanding of plant and animal physiology. His research activities have addressed various aspects of short duration grazing on native rangeland for the past six years.

Academic training was acquired at Colorado, Oregon and Washington State Universities with majors in range ecology and minors in forestry, soils, soil microbiology, and statistics. Dr. Reece is a member of the Society of

Range Management, Nebraska Forage and Grassland Council, Alpha Zeta, and Xi Sigma Pi. He has also had international ranch management experience through employment with the United Nations in Inner Mongolia, Peoples Republic of China.

Lowell E. Moser has a teaching and research appointment in the Agronomy Department at the University of Nebraska-Lincoln. He has been at Lincoln since 1970 and prior to that was on the Agronomy staff at The Ohio State University. Dr. Moser teaches forage crops and range management to undergraduates and forage and range physiology to graduate students at UNL. His research has been in the area of physiology and morphological development of pasture grasses with emphasis on the tall warm-season prairie grasses. Major interests are in development, growth, and establishment of grass seedlings, and growth and tillering responses of pasture grasses.

His academic background is from The Ohio State University and Kansas State University, with emphasis on forage and turf physiology and range management. Dr. Moser is a member of the American Society of Agronomy, Crop Science Society for America, Society for Range Management, American Forage and Grassland Council, Alpha Zeta, Sigma Xi, and Gamma Sigma Delta. He currently serves as Technical Editor for the Agronomy Journal.

George A. Gates D.V.M. is president and founder of Bluestem Seed Company and has had a strong interest in grazing management. He has been instrumental in stimulating the use of cool and warm-season grasses in grazing systems. Dr. Gates has also had an interest in teaching producers the importance of understanding grass growth and its relationship to grazing management. It is Dr. Gates interests in grass morphology and physiology and the plant, animal relationship that has brought about the publishing of this text.

T

he Authors would like to thank the following individuals for their interest in the subject and for reviewing the manuscript.

Dr. Clenton Owensby

Professor of Range Science
Department of Agronomy
Kansas State University
Manhattan, Kansas 66506

Dr. A.G. Matches

Thorton Professor
Texas Tech. University
Department of Plant & Soil Science
Lubbock, Texas 79408

Dr. Joseph C. Burns

Professor of Agronomy
Department of Crop Science
North Carolina State University
Raleigh, North Carolina 27695

Dr. Gerald A. Jung

Research Agronomist USDA-ARS
U.S. Regional Pasture Research Laboratory
University Park, P.A. 16802

Dr. C.J. Nelson

Professor of Agronomy
Department of Agronomy
University of Missouri
Columbia, Missouri 65211

Ivan Kanak

Glen Kirk Farms
Maysville, Missouri 64469

Richard Brown

Plant Materials Specialist
USDA- Soil Conservation Service
Columbia, Missouri 65201

