TABLE OF CONTENTS

The Mind of the Horse: An Introduction to Equine Cognition

Foreword To The French Edition

Foreword To The English Edition

Preface

Then and Now Discovering the Real Life of Free-Ranging Horses

- 1. Equine Ethology Studies to Pursue The Emergence of a New Field of Research: The Cognitive Ethology of the Horse
- 2. Equine Intelligence A Rash of Clever Horses Intelligence and Cognition
- 3. Animal Behavior, Cognition, and Representation
- 4. Nervous Tissue and the General Organization of the Mammalian Nervous System
- 5. Brain and Mind in the Light of Evolution Perception: A Dynamic Process That Constructs the World: A Few Issues Regarding the Study of Equine Perception
- 6. The Anatomical And Physiological Basis Of Equine Visual Perception : Size, Arrangement of the Eyes, and Visual Field
- 7. Anatomical Structure of the Eye A Short Tour of the Anatomy of the Retina
- 8. Structure of the Retina and Visual Quality
- 9. Optical Pathways and Cortical Distribution
- 10. Chromatic Theory and Color Perception
- 11. Experimental Procedures: Visual Aculty, The Visual Field Night Vision, The Visual Apparatus: An Integrated System.....In the Context of Cerebral Hemispheric Specialization Perceiving the Third Dimension Image
- 12. Recognition Object: Recognition Perceiving Movement
- 13. The Equine Visual Environment: Seen as a Whole or the Sum of Its Parts?
- 14. The Behavioral Exploration Of Equine Visual Perception: The Quest For Color Peception Brightness: A Vexing Dimension
- 15. A Pioneering Study (Grzimek 1952); An Inconclusive Replication (Pick et al. 1994)
- 16. An Apparent Confirmation of Grzimek's Results (Smith and Goldman 1999)
- 17. New Uncertanties Centering on Brightness (Macuda and Timney 1999)

- 18. The Evidence for a Neutral Point (Gelsbauer et al. 2004); Color Preferences (Hall et al. 2005)
- 19. Do Horses Perceive the Entire Color Spectrum? (Hall et al. 2006)
- 20. The Neutral Point: Break or Continuity? (Roth, Balkenius, and Kelber 2007)
- 21. Equine Dichromacy: A Qualification (Hanggi, Ingersoll, and Waggoner 2007)
- 22. A New Experiment in Chromatic Discrimination (Blackmore et al. 2008)
- 23. How Well Do Horses Discriminate Color in Half-Light? (Roth, Balkenius, and Kelber 2008)
- 24. Colors That Can be Failry Well Discriminated across the Light Spectrum (Timney and Macuda 2009)
- 25. A Provisional Summing Up Nature, Representation, and Characterization of Acoustic Information
- 26. The Equine Auditory System: Anatomy and Physiology
- 27. Behavioral Exploration of Equine Auditory Perception
- 28. Equine Chemical Perception: Odors, Pheromones, Tastes, And Flavors
- 29. Olfactory Perception in the Horse From Taste to Flavor Structure and Function of Horse Skin Receptors: Equine Sensory Pathways and Skin Sensitivity Mutual Grooming and Neurophysiological Response
- 30. Tactile Stimulation and Interspecific Social Relationships

Conclusion

References

Acknowledgments

Index.