

VITAE

WILLIAM F. RINER, JR.

Education:

Bachelor of Science - Health and Physical Education, Appalachian State Teachers College, 1967
Master of Science - Exercise Physiology, University of Illinois at Urbana-Champaign, 1977
Doctor of Philosophy - Exercise Physiology and Nutrition, University of Illinois at Urbana-Champaign, 1983

Professional Positions:

1966-1975 Teacher of Chemistry, Biology and Physical Education at Buford High School,
1975-1976 Graduate Teaching Assistant, Department of Physical Education, University of
1976-1980 Graduate Research Assistant in the Physical Fitness Research Laboratory,
University of Illinois at Urbana-Champaign.
1980-1986 Assistant Professor and Director of Health, Physical and Community Education
Center, University of South Carolina at Lancaster.
1986-1992 Associate Professor and Director of the Health Fitness Clinic (became the John
Morrison White Preventive Cardiology Clinic, April 1990), University of South
Carolina at Lancaster.
1992-Present Professor, Exercise Science and Director, John Morrison White Clinic and Center
for Developmental Exercise and Nutrition Research, University of South
Carolina, Lancaster.
Adjunct Professor, Department of Exercise Science, School of Public Health,
University of South Carolina, Columbia.
1999-Present Director of Health Services, University of South Carolina Lancaster.

Additional Responsibilities:

Cardiopulmonary Consultant, Medical Staff - Springs Memorial Hospital,
Lancaster, SC

Professional Affiliations:

Fellow of the American College of Sports Medicine
Member Board of Directors, North American Society for Pediatric Exercise Medicine
Member, American College of Nutrition
Member, Southeastern Regional Chapter of American College of Sports Medicine
Member, Professional Section, American Diabetes Association.

Theses:

Riner, W.F. Jr. "Effects of Two Levels of Physical Training on Selected Measures of Central Circulatory and Metabolic Capacities in Eight to Twelve Year Old Boys". Master of Science Thesis, University of Illinois at Urbana-Champaign, 1977.

Riner, W.F. Jr. "Effects of Maturity Level, Sex and Work Intensity on the Response of Selected Measures of Ventilatory, Metabolic and Circulatory Function to Prolonged Physical Activity in Children". Doctor of Philosophy Dissertation, University of Illinois at Urbana-Champaign, 1983.

Selected Publications:

Riner, W.F. Jr. and R.A. Boileau. Effects of Physical Training on Circulorespiratory Function and Endurance Performance in Children: A Literature Review. Illinois Journal of Health, Physical Education and Recreation, 1:7-9, 1979.

Boileau, R.A., J. H. Wilmore, T.G. Lohman, M. H. Slaughter and **W. F. Riner, Jr.** Estimation of Body Density From Skinfold Thicknesses, Body Circumferences and Skeletal Widths in Boys Ages Eight to Eleven Years: Comparison of Two Samples. Human Biology, 53(4): 575-592, 1981.

Boileau, R.A., J. L. Mayhew, **W F. Riner, Jr.** and L. Lussier. Physiological Characteristics of Elite Middle and Long Distance Runners. Canadian Journal of Applied Sport Sciences, 7(3): 167-172, 1984.

Chausow, S.A., **W.F. Riner, Jr.** and R.A. Boileau. Metabolic and Cardiovascular Responses of Children During Prolonged Physical Activity. Research Quarterly for Exercise and Sport, 55(1): 1-7, 1984.

Boileau, R.A., B.C. McKeown and **W.F. Riner, Jr.**, Cardiovascular and Metabolic Contribution to the Maximal Aerobic Power of the Arms and Legs. International Journal of Sports Cardiology, 1(2): 67-75, 1984.

Riner, W. F., M. McCarthy, L. DeCillis and D. S. Ward. Response of Children and Adolescents to Onset of Exercise in Armstrong, N., B. J. Kirby and J. R. Welsman (Eds.). *Children and Exercise XIX*. London: E & FN Spon. pp. 248 - 252, 1997.

Trost, S. G., D. S. Ward, P. D. Watson, S. Morehead, **W. F. Riner** and J. R. Burke. Validity of the Computer Science and Applications Activity Monitor in Children. *Medicine and Science in Sports and Exercise*, Vol. 30, No. 4, pp 629 - 633, 1998.

Trost, S. G., R. R. Pate, D. S. Ward, R. Saunders, **W. Riner**. Determinants of Physical Activity in Active and Low-Active Sixth Grade African-American Youth. *Journal of School Health*, Vol. 69(1), pp. 29-34, 1999.

Trost, S. G., R. R. Pate, D. S. Ward, R. Saunders, **W. Riner**. Correlates of Objectively Measured Physical Activity in Preadolescent Youth. *American Journal of Preventive Medicine*, 17(2):120-126,

1999.

Dowda, M., B. E. Ainsworth, C. L. Addy, R. Saunders and **W. F. Riner**.. Environmental Influences, Physical Activity and Weight Status in 8 to 16 Year Old Youth. *Archives of Pediatric and Adolescent Medicine*. 155: 711-717, 2001.

Riner, W. and R. Boileau. Energy sources during prolonged physical activity in girls and boys. *Proceedings of the 21st Symposium of the European Group of Pediatric Work Physiology*. 2002.

Riner, W. and R. Sabbath. "Considerations Regarding Physical Activity for Children and Youth" in Durstine, J. L. and G. Moore, *Exercise Management for Persons with Chronic Diseases and Disabilities*. Second Edition, 2003. Champaign: Human Kinetics Publishers .

Selected Scientific Presentations (Refereed) :

Riner, W.F. Jr., K. J. Cureton and R.A. Boileau. "Effects of Two Levels of Physical Training Intensity on Selected Measures of Central Circulatory and Metabolic Capacities in Eight to Eleven Year Old Boys". Research Section of the National AAHPERD Convention, Kansas City, Missouri, April, 1978.

Riner, W.F. Jr., R.H. Geeseman and R.A. Boileau. "Cardiac Output Estimation in Children by Carbon Dioxide Rebreathing: An Evaluation of Measurement Techniques and Methods for the Calculation of Arterial and Mixed Venous Carbon Dioxide Content of the Blood". Research Section of the National AAHPERD Convention, New Orleans, Louisiana, 1979.

Riner, W.F., Jr. and R.A. Boileau. "Effects of Maturity on Circulatory Responses to Prolonged Exercise". Annual Meeting of the American College of Sports Medicine, Nashville, Tennessee, May, 1985.

Riner, W.F., Jr. and R. A. Boileau. "Ventilatory Response of Children to Prolonged Physical Activity". Annual Meeting of the North American Society for Pediatric Exercise Medicine, Pittsburgh, PA, August, 1994.

Riner, W. F., Jr. and R. A. Boileau. "Metabolic and Circulatory Responses of Children to Prolonged Physical Activity". Annual Meeting of the Southeastern Chapter of the American College of Sports Medicine, Lexington, KY, February, 1995.

Riner, W. F., D. S. Ward and L. V. DeCillis. "Cardiorespiratory Function of Prepubertal Females Before and After Thirty Sessions of Bicycle Exercise Training". Annual Meeting of the American College of Sports Medicine, Minneapolis, MN, June, 1995.

Riner, W. F., D. S. Ward and L. V. DeCillis. "Relationships of Physiological and Performance Responses with Mechanical Work Before and After Bicycle Exercise Training in Prepubertal Females". Presented at the European Group of Pediatric Work Physiology Symposium XVIII,

Faaborg, Denmark. September, 1995

DeCillis, L. V., **W. F. Riner**, D. S. Ward, M. McCarthy, H. Noe and J. Starnes. "Effects of an Obesity Intervention Program on Measures of Body Composition and Aerobic Capacity". Biennial Meeting of the North American Society of Pediatric Exercise Medicine, Park City, Utah. August 24, 1996.

Riner, W. F., L. V. DeCillis, D. S. Ward, M. McCarthy, H. Noe and J. Starnes. "Circulorespiratory Responses of Obese and Non-Obese Children to Treadmill Walking". Biennial Meeting of the North American Society of Pediatric Exercise Medicine, Park City, Utah. August 25, 1996.

Ward, D. S., Q. F. Wu, R. R. Pate, C. O. Schuler, **W. F. Riner**, G. S. McMillan, and P. F. Bodary. "Left Ventricular Systolic Function Response to Exercise in Obese Adolescents". Annual Meeting of the American College of Sports Medicine, Denver, CO, May 30, 1997.

Riner, W. F., M. McCarthy, L. DeCillis and D. S. Ward. "Relationship of Anaerobic to Aerobic Function in Children and Adolescents". Annual Meeting of the American College of Sports Medicine, Denver, CO, May 31, 1997.

Riner, W. F., M. McCarthy, L. V. DeCillis and D. S. Ward. "Response of Children and Adolescents to Onset of Exercise". XIXth International Symposium of Pediatric Work Physiology, 1997. Exeter, U. K.

McCarthy, M. L., **W. F. Riner**, R. R. Pate, D. S. Ward, D. L. Cook and L. V. DeCillis. "Protective Effects of Warm-Up Protocols in Children with Exercise-Induced Asthma". Annual Meeting of the American College of Sports Medicine, 1998. Orlando, Fla.

Riner, W. F., M. L. McCarthy, L. V. DeCillis and D. S. Ward. "Anaerobic Performance in Girls and Boys, Aged 7 to 10 years". Annual Meeting of the American College of Sports Medicine, 1998. Orlando, Fla.

McCarthy, M. L., **W. F. Riner**, R. R. Pate, D. S. Ward, D. L. Cook and L. V. DeCillis. "Comparison of Bronchoconstriction Following Maximal and Submaximal Treadmill Protocols in Children with Exercise-Induced Asthma". Biennial Meeting of the North American Society of Pediatric Exercise Medicine, 1998. Amherst, Mass.

Riner, W. F., M. L. McCarthy, L. V. DeCillis and D. S. Ward. "Anaerobic Performance in Young Males and Females". Biennial Meeting of the North American Society of Pediatric Exercise Medicine, 1998. Amherst, Mass.

Riner, W. F., T. A. Kaplan and D. M. Orenstein. Symposium: "Exercise-Induced Bronchoconstriction and Physical Activity in Children and Youth". Annual Meeting of the American College of Sports Medicine, 1999. Seattle, Washington.

Riner, W. F., M. L. McCarthy, R. R. Pate, D. S. Ward, L. V. DeCillis. “Peak Ventilatory and Aerobic Capacity in Asthmatic and Non-Asthmatic Children”. XXth International Symposium of the European Group of Pediatric Work Physiology, 1999. Sabaudia (Latina), Italy.

Riner W. F. , H. Williams, E. J. Matthews and B. Boyles. “Aerobic Performance Capacity in Children with Developmental Coordination Disorder”. Presented at the Annual Meeting of the American College of Sports Medicine, 2000. Indianapolis, IN.

Riner W. F. and R. A. Boileau. “Energy Sources During Prolonged Physical Activity in Girls and Boys”. Presented at the 21st Symposium of the European Group of Pediatric Work Physiology. September 15, 2001. Corsendonk, Belgium.

Riner W. F. “Physiology of Prolonged Physical Activity in Children and Youth”. Tutorial Lecture presented at the Annual Meeting of the American College of Sports Medicine. May 31, 2002. St. Louis, MO.