

**PERSONAL INFORMATION**

Name: Michael Wayne Kernodle

Address: 844 Blairmont Drive  
Boone, North Carolina 28607

Work Address: 027 Holmes Convocation Center  
Appalachian State University  
Boone, North Carolina 28608

Telephone: (H) 828-265-2319  
(W) 828-262-6325

E-Mail: kernodlemw@appstate.edu

Date of Birth: October 19, 1949

Marital Status: Married

**EDUCATIONAL STATUS (DEGREE, INSTITUTION, DATES)****(A) Graduate Education**

PhD University of Illinois at Urbana-Champaign  
1988: Kinesiology  
Major Area: Motor Skill Learning  
Minor Area: Biomechanics

Dissertation: The relative effects of four types of information presentation on learning a multiple degree of freedom skill.

M.A. University of North Carolina at Chapel Hill  
1979: Physical Education

Thesis: A comparison of past varsity sports and leisure sports with present preferences and recommendations for children.

**(B) Undergraduate Education**

B.A. University of North Carolina at Chapel Hill  
1971: History

Partial fulfillment of an Associate Degree in Business at Milwaukee Technical College

## **Academics**

Fall 1989-Present: Tenured professor at Appalachian State University responsible for teaching undergraduate Motor Skill Learning, Motor Development, Sports Psychology, undergraduate and graduate courses in Sport Sociology and various methods and core classes. I have been teaching summer school as well as an off campus course that combines online and onsite teaching. Also, I am a member of the graduate faculty serving on and chairing master's thesis committees as well as mentoring graduate research projects.

1988 & 1989: At the University of North Carolina at Chapel Hill taught Motor Skill Learning, Racquet Sports for Majors, and various activity classes.

1987: At the University of Illinois at Urbana-Champaign, taught Human Movement Skills and Racquet Sports.

1980-1985: University of Illinois at Urbana-Champaign, taught in the Physical Education Activities Program.

1982: University of Illinois at Urbana-Champaign, graduate assistant at the Rehabilitation-Education Center.

1976-1977: University of North Carolina at Chapel Hill, graduate assistant.

1975: Taught tennis classes for Lansing Community College in Lansing, Michigan.

## **Referred Journal Articles**

Rabinowitz, E., Harrison, M., Kernodle, M.W. & McKethan, R.N. The correlation between self-efficacy and application when learning a complex motor skill. In Progress.

Rabinowitz, E., Kernodle, M.W., & McKethan, R.N. The Effective Use of PowerPoint to Facilitate Active Learning. *Journal of Physical Education, Recreation and Dance*. In Press.

Rabinowitz, E., McKethan, R.N. & Kernodle, M.W. An examination of multiple intelligences in virtual and traditional instructional learning environments. In Press.

McKethan, R.N., Rabinowitz, E., & Kernodle, M.W. (2009). Using online surveys to increase student engagement. *The Chronicle of Kinesiology and Physical Education in Higher Education*, 20 (3), 8-11.

Kernodle, M.W., Rabinowitz, E., & McKethan, R.N. (2009). The change from coach-teacher centered learning to student-athlete centered learning. *The Chronicle of Kinesiology and Physical Education in Higher Education*, 20 (2), 6-9.

McKethan, R.N., Rabinowitz, E., & Kernodle, M.W. (2009). Copyright, Plagiarism:

Addressing an Academic Imperative. *The Chronicle of Kinesiology and Physical Education in Higher Education*, 20 (1), 6-9.

McKethan, R.N., Rabinowitz, E., & Kernodle, M.W. (2008). An Open Source Software Alternative. *The Chronicle of Kinesiology and Physical Education in Higher Education*, 19, 17-19.

Kernodle, M.W., McKethan, R.N. & Rabinowitz, E. (2008). Observational learning of fly casting using traditional and virtual modeling with and without authority figure. *Perceptual and Motor Skills*, 107, 535-546.

McPherson, S. L., & Kernodle M. W. (2006). Tennis expertise and tactics: male professional vs. beginner cognitive strategies between points during matched singles tennis competition. *Journal of Sport Sciences*, 25:8, 945-959.

Everhart, B., Kernodle, M.W., Ballard, K., McKey, C., Eason, B., & Weeks, M. (2005). Physical activity patterns of college students with and without high school physical education. *Perceptual and Motor Skills*, 100, 1114-1120.

Kernodle, M.W., and Mitchell, M. (2004). Teaching tennis incorporating multiple intelligences. *Journal of Physical Education, Recreation and Dance*, 75(8), 27-32.

Everhart, B., Kernodle, M., Ballard, K., McKey, C., Eason, B., & Weeks, M. (2003). Comparison of physical activity patterns of early childhood education and kinesiology majors. *The International Journal of Physical Education*, 40, 103-108

McKethan, R.N., & Kernodle, M.W. (2003). The effects of a distance learning computer program on qualitative analysis of the overarm throw by preservice physical education teachers. *Perceptual and Motor Skills*, 97, 979-989.

Everhart, B.W, Harshaw, C., Everhart, B.A., Kernodle, M.W., & Stubblefield, E. (2002). Multimedia software's effects on high school physical education student's fitness patterns. *The Physical Educator*, 59, 151-157.

Henson, D.A. Nieman, D.C., Kernodle, M.W., Sonnenfeld, G., Morton, D., & Thompson, M.P. (2002). Immune function in adolescent tennis athletes and controls. *Sports Medicine: Training and Rehabilitation*, 10, 235-246.

Kernodle, M.W., & McKethan, R.N. (2002). The effects of a distance learning computer program on error detection of the overhand throw by preservice elementary education teachers. *Journal of Sport Pedagogy*, 8, 1-19.

Kernodle, M.W., Johnson, R., & Arnold, D.A. (2001). The relative effects of verbal error-correcting instructions versus verbal error-correcting instructions plus videotape replay on the learning of a multiple degree of freedom skill. *Perceptual and Motor Skills*, 92, 1039-1051.

Jung, A.P., Nieman, D.C., & Kernodle, M.W. (2001). Prediction of maximal aerobic power in adolescents from cycle ergometry. *Journal of Pediatric Exercise Science*, 13(2), 167-172.

Nieman, D.C., Kernodle, M.W., Henson, D. A., Sonnenfeld, G., & Morton, D. A. (2000). The acute response of the immune system to tennis drills in adolescent athletes. *Research Quarterly for Exercise and Sport*, 71(4), 403-408.

Everhart, B., Kernodle, M.W., Turner, E.T., Harshaw, C., & Arnold, D. (1999). The effects of a creative problem-solving intervention on the gameplay decisions of university badminton students. *The Journal of Creative Behavior*, 33(2), 138-149.

Kernodle, M.W., Turner, E.T., & Everhart, B. (1999). Out of the gate: Make your PETE majors front runners. *The Journal of Physical Education, Recreation and Dance* 70(2), 71-74.

Kernodle, M.W., & Turner, E.T. (1998). The use of guidance techniques in the teaching of tennis, badminton and racquetball. *The Journal of Physical Education, Recreation and Dance*, 69(5), 49-54.

Alexander, D.; Kernodle, M.W.; & Turner, E.T. (1992). Effects of varied lengths of intertrial rest intervals on the performance of a novel gross motor skill. *The North Carolina Journal*, 28.

Kernodle, M.W., & Carlton, L.G. (1992). Information feedback and the learning of multiple degree of freedom activities. *Journal of Motor Behavior*, 24(2), 187-195.

The relative effects of four types of information presentation on learning a multiple degree of freedom skill. *Dissertation Abstracts International*, 1989.

Kernodle, M.W. (1982). A cinematographical analysis of the forehand drive volley. *Proceedings of the International Symposium on the Effective Teaching of Racquet Sports*.

### **BOOK CHAPTERS**

McPherson, S. L. , & Kernodle, M. W. (2003). Response Selection Skills and Expertise in Tennis. In Janet Starkes and Anders Ericsson (Eds.) Expertise in Sports.

### **ARTICLES**

Kernodle, M.W. (2003). The national seminar contest: The best bang for your buck. *ADDvantage Magazine*, 27(2), 13.

Kernodle, M.W., and Mitchell, M.S. (2003). Do you have an optimal learning style: bodily-kinesthetic/naturalist. *North Carolina Tennis Today*, 12(1), 12.

Kernodle, M.W., and Mitchell, M.S. (2002). Do you have an optimal learning style: visual spatial/verbal linguistic. *North Carolina Tennis Today*, 11(6), 12.

Kernodle, M.W., and Mitchell, M.S. (2002). Do you have an optimal learning style: introduction. *North Carolina Tennis Today*, 11(5), 9 & 11.

Kernodle, M.W. (2001). Tennis ability versus tennis skill. What is the difference. *North Carolina Tennis Today*, 10(1), 7.

Kernodle, M.W. (2000). Optimize your practice schedule. *High Performance Coaching*, 2 (3), 10.

Kernodle, M.W. (2000). Reaction time and anticipation timing are important for all players. North Carolina Tennis Today, 9(5), 13.

Kernodle, M.W. (2000). Periodization training for tennis. North Carolina Tennis Today, 9, (2), 7 & 14.

Kernodle, M.W., & Moore, J. (2000). Planning a powerful practice. ADDvantage Magazine, 24 (7), 10-12 & 30.

Kernodle, M.W. (2000). Teach students to teach themselves. ADDvantage Magazine, 24 (1), 9-11 & 32.

Kernodle, M.W. (1999). Videotaped replay can be a useful teaching/learning tool if utilized properly. North Carolina Tennis Today, 8 (9), 5 & 10.

Kernodle, M.W. (1999). Sports Science Day wrap-up. ITA News Magazine, 8(1), 7-8.

Kernodle, M.W. (1998). The USPTA seminar contest: a win-win situation. ADDvantage Magazine, 9.

Kernodle, M.W. What do you do when nothing else works. ITA News Magazine. Volume 5, Issue 2, Fall 1996.

Kernodle, M.W. Feedback and the college coach. ITA News Magazine. Volume 4, Issue 2, Summer/Fall 1995.

## **ABSTRACTS**

Kernodle, M.K., and McKethan, R.N. (2003). Physical education for elementary education majors. *Proceedings of the National Association for Physical Education in Higher Education*, 29.

McPherson, S.L., & Kernodle, M.W. (2002). Problem representations of male professionals and novices during tennis competition. Research Quarterly for Exercise

and Sport, 73, 50.

Kernodle, M.W., & McKethan, R.N. (2002). The effects of a computer-based distance learning program on qualitative analysis by preservice physical education teachers and preservice elementary education teachers. Research Quarterly for Exercise and Sport, 73, 72.

McKethan, R.N., & Kernodle, M.W. (2001). The effects of a distance learning program on error detection of the overhand throw by elementary education teachers. Research Quarterly for Exercise and Sport, 72, 73.

Kernodle, M.W., Johnson, R., & Arnold, D. (2000). The relative effects of transitional information versus transitional information plus videotape replay on the learning of a multiple degree of freedom skill. Research Quarterly for Exercise and Sport, 71 (1), 57.

Kernodle, M.W., Nieman, D.C., & Henson, D.A. (2000). Immune function in elite teenage tennis athletes. Research Quarterly for Exercise and Sport, 71 (1), 30.

Kernodle, M.W., & Carlton, L.G. (1991). Information Feedback and the learning of an overhand throw. North American Society for the Psychology of Sport and Physical Activity national meeting.

### **EXTERNALLY FUNDED GRANTS RECEIVED**

(1) **Project Title**: Expert-novice differences in problem representations of male professionals and beginners during singles tennis competition

**Organizational Name**: International Tennis Federation- Research Grant

**Date of Application**: March 7, 2001 **Amount requested and awarded:** \$1,000.00

**Principle Investigators**: S. L. McPherson, PhD and Michael W. Kernodle

(2) **Project Title**: Acute and chronic immune responses to tennis competition

**Organizational Name**: United States Tennis Association

**Date of application**: March 20, 1998 **Amount requested and awarded:** \$19,370

**Principle Investigators**: David Nieman and Michael W. Kernodle

### **EXTERNALLY FUNDED GRANTS APPLIED FOR AND NOT ACCEPTED**

(1) **Project Title**: Influence of Carbohydrate Ingestion on Immune Response to Tennis Competition in Collegiate Athletes.

**Organizational Name:** United States Tennis Association

**Date of application:** April 25, 2002. Amount requested: \$20,000

**Principle Investigators:** David Nieman and Michael W. Kernodle

**(2) Project Title:** The effects of multimedia and distance learning on attitudes and skill acquisition of elementary aged children.

**Organizational Name:** American Alliance of Health, Physical Education, Recreation and Dance

**Date of Application:** October 10, 1999. Amount requested: \$15,000

**Principle Investigators:** Michael Kernodle and Robert McKethan

**(3) Project Title:** United States Tennis Association grassroots tennis distance learning web site.

**Organizational Name:** United States Tennis Association

**Date of Application:** April 17, 1997. Amount requested: \$13,282.80

**Principle Investigators:** Michael Kernodle and Robert McKethan

**(4) Project Title:** Appalachian State University grassroots tennis distance learning web site.

**Organizational Name:** United States Tennis Association

**Date of Application:** April 17, 1998. Amount requested: \$13,282.80

**Principle Investigators:** Michael Kernodle and Robert McKethan

**(4) Project Title:** Influence of Carbohydrate Ingestion on Immune Responses to Tennis Competition in Collegiate Athletes.

**Organizational Name:** United States Tennis Association

**Date of application:** April 17, 2002. Amount requested: \$20, 900.

**Principle Investigators:** David Nieman and Michael W. Kernodle

### **INTERNALLY FUNDED GRANT ACCEPTED**

**(1) Project Title:** The effect of selected instructional methods: a) traditional; b) technology-assisted instruction with an authority figure; and 3) technology-assisted instruction without an authority figure on skill acquisition and the relationship between the Multiple Intelligence Theory and the selected instructional methods.

**Organizational Name:** University Research Grant

**Date of Application:** September 24, 2004. Amount requested: \$4,665.

**Principle Investigators:** Michael Kernodle, Melanie Mitchell, and Robert McKethan

### **INTERNALLY FUNDED GRANTS**

Three registration grants at \$175 each

Three gold form grants at \$300 each

### **INTERNALLY FUNDED GRANTS APPLIED FOR AND NOT ACCEPTED**

**(1) Project Title:** The effects of selected instructional methods (traditional versus computer-assisted instruction) on skill acquisition and the dynamics of multiple intelligences.

**Organizational Name:** University Research Grant

**Date of Application:** October 1, 2002. Amount requested: \$4,800.

**Principle Investigators:** Michael Kernodle, Melanie Mitchell, and Robert McKethan

**(1) Project Title:** The effects of multimedia-based distance learning on identification of errors in the overhand throw by physical education preservice teachers

**Organizational Name:** University Research Grant

**Date of Application:** February 4, 1999. Amount requested: \$225

**Principle Investigators:** Michael Kernodle and Robert McKethan

**(2) (1) Project Title:** The effects of multimedia-based distance learning on identification of errors in the overhand throw by physical education preservice teachers

**Organizational Name:** University Research Grant



**Date of Application:** October 1, 1999. Amount requested: \$225

**Principle Investigators:** Michael Kernodle and Robert McKethan

## **PRESENTATIONS**

McKethan, R.N., & Kernodle, M.W. (2010). Awesome teaching at your fingertips. National Association for Kinesiology and Physical Education in Higher Education National Convention held in Scottsdale, Arizona, January 2010.

Kernodle, M.W., Rabinowitz, E., & McKethan, R.N. (2010). Peer evaluation: The move from formative to summative. National Association for Kinesiology and Physical Education in Higher Education National Convention held in Scottsdale, Arizona, January 2010.

McKethan, R.N. Kernodle, M.W. & Rabinowitz, E. (2009) Using an Open Source Tool to Create Web Pages. National Association for Kinesiology and Physical Education in Higher Education National Convention held in Sarasota, Florida, January, 2009.

Kernodle, M.W., McKethan, R.N., & Rabinowitz, E. (2009). The Move From Coach/Teacher-Centered to Player/Student-Centered Learning. Presented at the National Association for Kinesiology and Physical Education in Higher Education National Convention held in Sarasota, Florida, January, 2009.

Motor learning sports science course presented at the United States Professional Tennis Association's Middle Atlantic Meeting held in Williamsburg, Virginia. (March, 2008).

Demonstration of academic excellence and pre-service teacher leadership skills through a portfolio process. Presented at the National Association for Kinesiology and Physical Education in Higher Education National Convention held in Albuquerque, New Mexico. January 2008.

Motor learning sports science course presented at the United States Professional Tennis Association's International Meeting held in Saddlebrook, Florida. (September, 2007).

Motor learning sports science course presented at the United States Professional Tennis Association's International Meeting held in Las Vegas, Nevada. (September, 2006).

The effects of traditional versus virtual modeling (with and without authority figure) on the learning of a multiple degree-of-freedom skill (fly casting). This was the top rated poster presentation in its area. Presented at the American Association of Health, Physical Education, Recreation and Dance held in Salt Lake City, Utah, April 2006.

Advocating Physical Education through community collaboration. Presented at the National Association for Kinesiology and Physical Education in Higher Education National Convention held in San Diego, California, January 2006.

Expertise in Sport: The cognitive aspects of tactics and strategies related to tennis presented at the Southwest USPTA Convention held in Mesa, Arizona, October 2005.

Multiple Intelligences and the Tennis Professional presented at the Southwest USPTA Convention held in Mesa, Arizona, October 2005.

Motor Learning Sport Science course taught for the Ferris State University Tennis Management Program at Ferris State University, September, 2005.

The use of Multiple Intelligences for teaching tennis. AAHPERD national meeting held in Chicago, Illinois in April, 2005

The use of Multiple Intelligences when teaching in the classroom. NAKEPE national conference held in Tucson, Arizona in January, 2005.

Integrating Technology in the ASU PETE Program. NAKEPE national conference held in Tucson, Arizona in January, 2005.

Motor learning sports science course presented at the United States Professional Tennis Association's International Meeting held in Palm Springs, California. (September, 2004).

Are tactics and strategies being taught effectively. Presented at the United States Professional Tennis Registry's international meeting in Hilton Head, South Carolina. (February, 2004).

Biomechanics sports science course presented at the United States Professional Tennis Registry's international meeting in Hilton Head, South Carolina. (February, 2004).

Motor learning sports science course presented at the United States Professional Tennis Registry's International Meeting held on Hilton Head Island, South Carolina. (February, 2004).

Are tactics and strategies being taught effectively. Invited presentation for

students in the Professional Tennis Management program at Ferris State University. (November, 2003).

Design your lesson plan to incorporate Multiple Intelligences. An oncourt course presented at the United States Professional Tennis Association's International Meeting held in Fort Lauderdale, Florida. (September, 2003).

Motor learning sports science course presented at the United States Professional Tennis Association's International Meeting held in Fort Lauderdale, Florida. (September, 2003).

Do you have an optimal learning style? On court seminar presented with Melanie Mitchell at the United States Professional Tennis Registry's international meeting in Hilton Head, South Carolina. (February, 2003).

Biomechanics sports science course presented at the United States Professional Tennis Registry's international meeting in Hilton Head, South Carolina. (February, 2003).

Motor learning sports science course presented at the United States Professional Tennis Registry's International Meeting held on Hilton Head Island, South Carolina. (February, 2003).

Physical education methods for elementary education teachers. Presented with Robert McKethan at the national meeting for the National Association for Physical Education in Higher Education held in Long Beach, California. (January, 2003).

Motor learning and growth and development sports science course presented at the High Performance Coaching Workshop for the United States Tennis Association held in Denver, Colorado. (October, 2002).

Motor learning sports science course presented at the United States Professional Tennis Association's International Meeting held in Las Vegas, Nevada. (September, 2002).

United States Tennis Association Sports Science continuing education enhancement. Presented at the 2002 United States Open in New York City.

The effects of a computer-based distance learning program on qualitative analysis by preservice physical education teachers and preservice elementary education teachers. Presented at the national meeting for the American Alliance for Health, Physical Education, Recreation and Dance in San Diego, California with Robert McKethan of Appalachian State University. (March, 2002)

Problem representations of male professionals and novices during tennis

competition Presented at the national meeting for the American Alliance for Health, Physical Education, Recreation and Dance in San Diego, California with Sue McPherson of Western Carolina University. (March, 2002).

Abilities versus skills. Presented at the United States Professional Tennis Registry's international meeting in Hilton Head, South Carolina.&nbsp; (February, 2002).

Biomechanics sports science course presented at the United States Professional Tennis Registry's international meeting in Hilton Head, South Carolina. (February, 2002).

Motor learning sports science course presented at the United States Professional Tennis Registry's International Meeting held on Hilton Head Island, South Carolina. (February, 2002).

Kernodle, M..W., & McKethan, R.N. The effects of a distance learning computer program on error detection of the overhand throw by preservice physical education teachers. Presented at the national conference for the American Alliance of Health, Physical Education, Recreation and Dance held in Cincinnati, Ohio, March 2001).

Contextual interference and its effect on practice organization. presented at the United States Professional Tennis Registry's International Convention held on Hilton Head Island, South Carolina. (February, 2001).

Biomechanics sports science course presented at the United States Professional Tennis Registry's international meeting in Hilton Head, South Carolina. (February, 2001).

Motor learning sports science course presented at the United States Professional Tennis Registry's International Meeting held on Hilton Head Island, South Carolina. (February, 2001).

McKethan, R.N.; Kernodle, M.W.; & Bridges, L. The effects of a distance learning computer program on error detection of the overhand throw by preservice elementary education teachers. Presented at the national convention for the National Association for Physical Education in Higher Education held on Amelia Island, Florida. (January 2001)

Motor learning and human growth and development sports science workshop presented at the Kentucky United States Professional Tennis Association & United States Tennis Association yearly convention held in Louisville, Kentucky. (November, 2000)

Motor learning and human growth and development sports science workshop

Meeting held in Hilton Head Island, South Carolina. (November, 2000).

Motor learning sports science course presented at the United States Professional Tennis Association's national convention in Phoenix, Arizona. (September, 2000).

Kernodle, M.W., Johnson, R., & Arnold, D. (March 2000). The relative effects of verbal error-correcting instructions versus verbal error-correcting instructions plus videotape replay on the learning of a multiple degree of freedom skill. Presented at the American Alliance for Health, Physical Education, Recreation and Dance national meeting in Orlando, FL.

Kernodle, M.W., Nieman, D. Henson, D., Sonnenfeld, G., & Morton, D. (March 2000). Immune function in elite teenage tennis players. Presented at the American Alliance for Health, Physical Education, Recreation and Dance national meeting in Orlando, FL.

The optimization of feedback to enhance the learning curve. Presented at the United States Professional Tennis Registry's international convention in Hilton Head, South Carolina. (February, 2000)

Biomechanics sports science course presented at the United States Professional Tennis Registry's international meeting in Hilton Head, South Carolina. (February, 2000)

Motor learning sports science course presented at the United States Professional Tennis Registry's international meeting in Hilton Head Island, South Carolina. (February, 2000)

Austin, M., Nieman, D., Kernodle, M., Henson, D., Sonnenfeld, G., & Morton, D. (Jan. 2000). Immune function in elite adolescent tennis athletes. Presented at the Southeast American College of Sports Medicine's regional meeting in Charlotte, N.C.

Nieman, D., Kernodle, M.W., & Henson, D. (Jan. 2000). The acute responses of the immune system to tennis drills in adolescent athletes. Presented at the Southeast American College of Sports Medicine's regional meeting in Charlotte, N.C.

Hall, N., & Kernodle, M.W. Immunity: the winning edge. Intercollegiate Tennis Association national meeting (sports science day/December, 1999)

Acute and chronic immune responses in tennis competition. United States Professional Tennis Association National Convention in Miami, Florida. (September, 1999).

Motor learning sports science course presented at the United States Professional Tennis Association's national convention held in Miami, Florida. (September, 1999).

Everhart, B., Kernodle, M.W., Turner, E.T., Harshaw, C., & Arnold, D. The effects of a creative problem-solving intervention on the gameplay decisions of university badminton students. Presented at the Southern District meeting of AAHPERD in Greensboro, North Carolina. (February, 1999).

The effective use of guidance techniques in the teaching of tennis, badminton and racquetball. Presented at the Southern District meeting of AAHPERD in Greensboro, North Carolina. (February, 1999).

Motor learning sports science course at the United States Professional Tennis Registry's International meeting in Hilton Head, South Carolina. (February, 1999).

Motor learning sports science course at the United States Professional Tennis Association's national meeting in Palm Springs, California. (September, 1998).

Creative problem solving equals oncourt success. United States Professional Tennis Association national meeting in Palm Springs, California. (September, 1998).

Creative problem solving equals oncourt success. United States Tennis Association's National Teachers Conference in New York City. (September, 1998).

The effective use of periodization to train elite tennis players. United States Tennis Association zonal training camp in Asheville, North Carolina. (August, 1998).

Motor learning sports science course at the international meeting of the United States Professional Tennis Registry in Hilton Head Island, South Carolina. (February, 1998)

Creative problem solving equals oncourt success. National meeting of the Intercollegiate Tennis Association at Saddlebrook Resort in Tampa, Florida. (December, 1997)

Developmentally appropriate teaching: Little Tennis. NCAPHERD state convention in Greensboro, North Carolina. (November, 1997)

What to do when nothing else works. Can motor learning change the way you teach. National meeting of the United States Professional Tennis Association in Cancun, Mexico. (September 1997)

Motor Learning speciality course at the national meeting of the United States Professional Tennis Association in Cancun, Mexico. (September, 1997)

Motor Learning and Sports Science seminar presented for the United States Tennis Association and the United States Professional Tennis Association in Houston, Texas. (November, 1996)

The use of guidance techniques when teaching complex tennis skills. United States Professional Tennis Association Southern Division Convention in Louisville, Kentucky. (November, 1996)

Optimize the organization of practice. National meeting of the Intercollegiate Tennis Association in Wesley Chapel, Florida. (December, 1995)

Teaching the tennis serve progression. NCAPHERD State Convention in Greensboro, North Carolina. (November, 1995)

Biomechanics of the open versus the closed stance tennis forehand. National Meeting of the Intercollegiate Tennis Association in Wesley Chapel, Florida. (December, 1994)

The optimization of learning tennis mechanics via the effective sequencing of drills. United States Professional Tennis Association Southern Convention in Pinehurst, North Carolina. (November, 1994)

The use of Motor Development principles to enhance learning for senior tennis players. United States Professional Tennis Association National Meeting in Palm Springs, California. (September, 1994)

The effects of technological advancements on sports. Invited lecture at the College of William and Mary. (January, 1994)

How to optimize the teaching/learning experience of tennis skills. NCAPHERD Convention in Greensboro, North Carolina. (November, 1993)

The effective management of information presentation to students learning motor skills. NCAPHERD Convention in Greensboro, North Carolina. (November, 1993)

The biomechanics of tennis. Intercollegiate Tennis Association National Convention in Wesley Chapel, Florida. (December 1993)

How the USPTA teaching professional can use knowledge of the NCAA rules to better prepare a pupil for college. United States Professional Tennis Association National Convention in Boca Raton, Florida. (September, 1993)

How to optimize the organization of your lesson and practice time using principles of motor skill learning. United States Professional Tennis Association National Convention in Tuscon, Arizona. (September, 1992)

Programming attention and memory principles into your lesson plan. United States Professional Tennis Association National Convention in Tuscon, Arizona. (September, 1992)

Effects of four different types of information presentation on learning multiple degree of freedom skills. NCAHPERD Convention in Greensboro, North Carolina. (1991)

Information feedback and the learning of the overhand throw. North American Society for the Psychology of Sport and Physical Activity in Houston, Texas. (1991)

Utilizing principles of motor learning to effectively teach beginning tennis. United States Professional Tennis Association National Convention in Boca Raton, Florida. (1991)

Growth through competition (does winning really make you a better person). Presentation to the Georgia Psychological Association Midwinter Conference in Hilton Head Island, South Carolina. (February, 1989)

The effective use of information presentation and utilization of videotape replay in teaching and learning tennis skills. Southern Division of the United States Professional Tennis Association Annual Conference in Hilton Head, South Carolina. (November, 1987)

The use of information feedback and feedforward information in the facilitation of learning or teaching tennis skills. Middle Atlantic Division of the United States Professional Tennis Association Fall Workshop, in Washington, D.C. (November, 1986)

The biomechanics of cycling. University of Illinois Cable Television. (1985)

United States Tennis Association Schools Clinician. (1984-1985)

Biomechanics of sports skills. University of Hawaii at Hilo. (1984)

Effective methods for teaching wheelchair tennis. Midwest Division of the United States Professional Tennis Association Annual Convention in Cincinnati, Ohio. (1983)

Teaching tennis: the flexible approach. International Symposium on the Effective



Teaching of Racquet Sports in Champaign, Illinois. (1982)

A cinematographical analysis of the forehand drive volley. International Symposium on the Effective Teaching of Racquet Sports in Champaign, Illinois. (1982)

The proper method for teaching the two-handed backhand. Midwest Division of the United States Professional Tennis Association Annual Convention in Chicago, Illinois. (1980)

Tennis elbow: how string tension and racquet stiffness are involved. Milwaukee, Wisconsin. (1979)

Static and resistive stretching: the most effective methods of flexibility for tennis players. Presented at Mt. Sinai Hospital in Milwaukee, Wisconsin. (1979)

## **WORK EXPERIENCE**

August 1996-Present: Tenure track member (full professor) of HLES faculty

Summer of 1998-2010: Summer school at Appalachian State University teaching Motor Development and Motor Learning.

August 1989-May 1996: Lecturer in the HLES department teaching Motor Learning, Motor Development, Basic Activities and Methods courses.

Summer of 1999. Director of tennis at the Blowing Rock Country Club in Blowing Rock, North Carolina.

Summer of 1993 to summer of 1998. Director of tennis at the Elk River Club in Banner Elk, North Carolina.

September of 1989 to May of 1996. Men's tennis coach at Appalachian State University. 1996 regular season Southern Conference Champions.

September of 1989 to September of 1991. Director of tennis at Appalachian State University responsible for both men's and women's tennis.

Head coach of the World Team Tennis Chicago Fire. Summer of 1986.

Assistant men's tennis coach at the University of Illinois at Urbana-Champaign. 1980-81.

Head tennis professional and director of physical training. Four Star Tennis Academy in Charlottesville, Virginia. Summer of 1977.

Director of tennis at Camp Winauke in New Hampshire. Summer of 1976.

Assistant men's varsity and head junior varsity tennis coach at the University of North Carolina at Chapel Hill. (1976-77)

Head men's tennis coach at Lansing Community College in Lansing, Michigan. (1973)

Associate coach of the women's national wheelchair basketball championship team and the men's intercollegiate national second place team, also in basketball. University of Illinois at Urbana-Champaign.

Originator and director of the University of Illinois Wheelchair Tennis Championship.

### **AWARDS**

2008 & 2009 Nominated for the College and Fine Arts Service Award

2002-2003 Outstanding Scholarship/Creativity Award for the College of Fine and Applied Arts.

1998-2003 Nominated for the Fine and Applied Arts teaching excellence award

1998-1999 Teaching Excellence Award for the Department of Health, Leisure and Exercise Science at Appalachian State University.

1998-1999 Honorable mention for faculty advisor of the year for advising the Physical Education Majors Club.

1994 United States Professional Tennis Association Southern Division College Coach of the year.

1996 United States Professional Tennis Association Master Professional Certification.

1996 United States Professional Tennis Association Southern Division Professional of the year.

**COMMITTEES**

2008-2011: Member of ASU Faculty Assembly

2009-2012: Member of the University Teaching Enhancement Committee

2008-20011: Member of National Technology Committee for National Association for Physical Education and Higher Education

2008-2009: Chair of Search Committee for Director of the Basic Instruction Program

2008-2011: Hubbard Center Advisory Committee

2007: Member of search committee for Vice-Chancellor of Advancement.

2004-2011: Fine and Applied Arts representative to the University Awards Committee. Committee chair for the academic years of 2006-2010.

2008-2011: Three year term as a member of the ASU Faculty Assembly

2007-2010: University Elections Committee

1999-2010 (Chair 2003-2010) HLES Teaching Enhancement & Peer Review Committees

1992-2009 Numerous terms on the HLES Departmental Policy Committee

1989-2010: Graduate Faculty at Appalachian State University

2004-2008: United States Professional Tennis Association National Education Committee

1996-2008: United States Professional Tennis Association/Chairperson and Head Judge of the National Seminar Contest

2001-2008: Curriculum consultant for the career development program of the United States Professional Tennis Association (motor learning specialist)

2006-2010: Member of the United States Professional Tennis Association's National Sports Science Committee.

1988-2010: Wilson Sporting Goods elite advisory staff

2004-2009: Member of the Graduate Council at Appalachian State University

2003-2005: Reviewer for Perceptual & Motor Skills

2004: Member of the HLES Strategic Planning Committee

2004: Appointed to a 2 year term on the National Academic Committee for the United States Professional Tennis Association

2004: Appointed to a 4 year term as a member of the Advisory Board for the Professional Tennis Management Program at Ferris State University

1996-2004: Director of the Physical Education Activities Program at Appalachian State University

1998-2004: College Events Committee at Appalachian State University

2002-2003: Standing Committee for Teaching Enhancement

Chair of Numerous search committees

Health and Human Services Area Committee

1996-2003: Sponsor of the Physical Education Majors Club

AAHPERD Southern District Proposal Review Committee

1998-2005: United States Tennis Association Grant Review

1998-2004: United States Tennis Association National Sports Science Committee

2002-2004: Chair of United States Tennis Association Subcommittee on Continuing Education

1998-2004: United States Tennis Association Southern Sports Science Committee

1992-2006: Chair of the Intercollegiate Tennis Association National Sports Science Committee/Motor Learning Chairperson and Chair of Online Services

## **OTHER**

Top ranked tennis player at the state and regional level. Played college tennis at the University of North Carolina at Chapel Hill. Won the conference in singles

twice and member of the team ranked 10 in the nation. Played tennis professionally on the national and international circuit and coached tennis at all levels of expertise.

Volunteer coach for Watauga High School's boys and girls varsity tennis teams

Participation in fund raisers for Grandfather Mountain Home for Boys and the National Cystic Fibrosis Foundation

Habitat for Humanity

SPCA Dog Walking