CURRICULUM VITA

JAMES G. DISCH
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Education

P.E.D., Indiana University, Bloomington, Indiana; 1971-73;
Major: Physical Education with emphasis in Biomechanics
Minor: Research Statistics, Measurement and Evaluation;
Dissertation: "A Factor Analysis of Selected Tests for Speed of Body Movement: Microform Publications", University of Oregon, Eugene, 1975.

M.Ed., University of Houston, Houston, Texas: 1969-70;
Major: Health & Physical Education; Thesis: "A Factor Analysis of Runs of Speed and Endurance."

B.S., University of Houston; 1965-69;
Major: Health & Physical Education
Minor: Mathematics; Cum Laude.

Teaching and Professional Experience

2013 – present	Associate Professor & Director of the Sports Analytics Track, Department of Sport Management, Rice University; Introduction to Sport Management, Introduction to Sports Analytics, Research Techniques in Sport Management, Seminar in Sports Analytics, Theories of High Level Performance, Sport Business Analytics, Business Analytics – Pro Sports
2001-2013	Associate Professor, Department of Kinesiology, Rice University; Measurement & Statistics, Research Methods, Introduction to Kinesiology, Director of Independent Studies.
1995 - 2001	Associate Professor and Chair, Department of Kinesiology, Rice University; Test and Measurements, Research Techniques, Basic Skills, Coaching Basketball, Coaching Volleyball, Coaching Baseball.

1979 - 1995	Associate Professor, Rice University, Department of Human Performance and Health Sciences; Test and Measurements, Research Techniques, Kinesiology, Scientific Foundations, Aerobics, Basic Skills, Coaching Basketball, Coaching Volleyball, Coaching Baseball, Officiating Team Sports, and Director - Coaching Internship.
1984-present	Adjunct Associate Professor, University of Houston, Educational Psychology Department; Educational Measurement, Research and Statistics. Member, Graduate Faculty, College of Education.
1978 (summer)	Visiting Assistant Professor, University of Houston, Health and Physical Education Department; Kinesiology and Volleyball Coaching.
1974-79	Assistant Professor, Rice University Department of Health and Physical Education; Basic Skills, Multimedia First Aid, Scientific Foundations of Physical Education, Kinesiology, Officiating Team Sports; and Special Problems in Physical Education.
1973-74	Instructor, Rice University, Department of Health and Physical Education; Basic Skills.
1973-78	Adjunct Assistant Professor, University of Houston, Foundations of Education Department; Research Techniques, Basic Statistics, Intermediate Statistics, and Measurement and Evaluation.
1971-73	Research Assistant, Indiana University, School of Health, Physical Education and Recreation Biomechanics and Tests and Measurements.
1970-71	Assistant Intramural Director and Instructor, University of Houston, Health and Physical Education Department; Basic Skills.
1969-70	Teaching Assistant, University of Houston Health and Physical Education Department; Basic Skills.

Honors Awards and Grants

- International Who's Who in Education, 1979
- Finalist, Phi Beta Kappa Outstanding Assistant Professor's Teaching Award, Rice University, 1978-79
- Brown College Teaching Excellence Award in the Sciences, Rice University, 1975-76

- Outstanding Young Men of America, 1976
- USVBA Honorable Mention Service Award, 1975, 1984
- NDEA Title IV Fellowship, Indiana University, 1971-73
- Outstanding Graduating Senior, College of Education, University of Houston, 1969
- Top Ten Student, University of Houston, 1968 and 1969
- Who's Who of American Colleges and Universities, 1969 and 1970
- Intramural Athlete of the Year, University of Houston, 1968
- Outstanding Male Freshman, University of Houston, 1966
- Texas Resident Scholarship, 1965-69
- PTA Scholarship, 1965
- Graduate Research Award, Indiana University, 1972
- Assistant Professor's Summer Grant, Rice University, 1977 and 1978
- Co-Investigator, Cardiac Rehabilitation Grant, NIH, 1979 (Solicited proposal was approved but not funded)
- Computer Research Grant, The Athletics Congress, 1982, (matched by Rice University)
- Educational Research Grant, US Volleyball Association, 1981
- Dean's Summer Research Grants, Rice University - 1991, 1994, 1996, 1997
- Honor Award, Measurement and Evaluation Council, AAHPERD, 1999
- Outstanding Faculty Associate, Richardson College, 2006
- Outstanding Faculty Associate, Richardson College, 2010
- Sport Ethics Fellow of the year, 2011 from the International Institute of Sport and the Positive Coaching Alliance
- Honor Award, TAHPERD, 2011
- TAHPERD Scholar Award, 2012
- Outstanding Faculty Associate, Richardson College, 2014
- Distinguished Facuty Associate, Richardson College, 2015
- David K. Brace Award, TAHPERD, 2017
- Trailblazer Award, TAHPERD

Professional Society Memberships

- American Association of Health, Physical Education, Recreation and Dance (AAHPERD)
- Texas Association of Health, Physical Education and Recreation (TAHPER)
- Phi Eta Sigma
- Omicron Delta Kappa (President, 1968-69)
- Phi Delta Kappa
- Phi Epsilon Kappa
- Phi Kappa Phi

Publications

A. Books, Manuals & Chapters

1. A Manual for Weight Training for General Conditioning, Sport and Body Building, with P.E. Ward, L. Lambert, and D.W. Spence. Houston: Dynamics Health Equipment, Inc. (1980), 123 pps.

2. Selected Multivariate Techniques, in Measurement Concepts in Physical Education and Exercise Science, Safrit, M.J. & Wood, T.W. (Eds.) Champaign: Human Kinetics (1989), pgs 155-180.

3. Measurement and Evaluation in Human Performance and Health Sciences, with J. R. Morrow, Jr., A. Jackson, and D. Mood. Champaign: Human Kinetics (1995).

4. Measurement and Evaluation in Human Performance and Health Sciences, with J. R.Morrow, Jr., A. Jackson, and D. Mood. Champaign: Human Kinetics, 2nd Ed. (2000).

5. Softball (Slow-Pitch), in Sports and Recreational Activities, 13th Ed. Mood, D.P., Musker, F.F., & Rink, J.E. (Eds.) New York: Mc Graw-Hill (2003), pgs. 460-480.

6. Measurement and Evaluation in Human Performance and Health Sciences, with J. R. Morrow, Jr., A. Jackson, and D. Mood. Champaign: Human Kinetics, 3rd Ed. (2005).

7. Softball (Slow-Pitch), in Sports and Recreational Activities, 14th Ed. Mood, D.P., Musker, F.F., & Rink, J.E. (Eds.) New York: Mc Graw-Hill (2005).

8. Measurement and Evaluation in Human Performance and Health Sciences, with J. R. Morrow, Jr., A. Jackson, and D. Mood. Champaign: Human Kinetics, 4th Ed. (2011).

9. Softball (Slow-Pitch), in Sports and Recreational Activities, 15th Ed. Mood, D.P., Musker, F.F., & Rink, J.E. (Eds.) New York: Mc Graw-Hill (2012).

10. Measurement and Evaluation in Human Performance and Health Sciences, with J. R. Morrow, Jr., D. Mood, and Minsoo Kang.
    Champaign: Human Kinetics, 5th Ed. (2015).

B. Edited Books, Monographs, and Series

1. Physical Education Measurement Symposium: Abstracts and Outlines, Co-Editor with James R. Morrow, Jr. and Janyce K. Nelson, Rice University, Houston, (1980), 31 pps.

2. Practical Computer Applications of Multivariate Statistics for Researchers in HPERD, Co-Editor with James R. Morrow, JR., University of Houston, Houston, (1982) 96 pps.

3. "Measurement & Evaluation of Basic Stuff", (editor) in Journal of Physical Education, Recreation and Dance, October 1983, pps 17-29.

4. Experimental Design & Analysis Considerations with Multiple Dependent Variables: The Use of MANOVA. (editor) Published proceedings, AAHPERD Pre Session, Anaheim, CA., 1984, 104 pages.

C. Articles

1. Disch, J.G., et.al., "A Test Battery to Discriminate Between Levels of Volleyball Playing Ability", In Volleyball Workshop, E. Pluribus Unum, Houston, (1974), 6 pps.

2. Disch, J.G., Frankiewicz, R., and Jackson, A., "Construct Validation of Distance Run Tests", Research Quarterly 46, May, (1975), pps. 169-175.

3. Disch, J.G., "Considerations for Establishing a Reliable and Valid Criterion Measure for Multiple Trial Motor Performance Tests". An invited paper published in the Proceedings, CIC Big Ten Symposium on Measurement and Evaluation in Physical Education, Indiana University, Bloomington, (1975), pps. 136-153.

4. Disch, J.G., et.al, "Women's Volleyball Performance Test Data: Preliminary Norms", In Basketball-Volleyball Guide, AAHPER, Washington, D.C., 1977, pp. 65-71.

5. Disch, J.G., Hosler, W., and Bloom, J., "Differences in Reaction Time, Movement Time, and Flight Time Between the Conventional and Grab Starts In Novice Swimmers", Swimming Technique, 15(2), Summer (1978) pp. 34-36 (Reprint)

6. Disch, J.G., "The Construction and Analysis of a Test Battery Related to Volleyball Playing Capacity in Females", Research in Education, May 1978 (ED #148815, Eric-Microfiche).

7. Disch, J.G., Hosler, W., and Bloom J., "The Effects of Weight, Height, and Reach on the Performance of the Conventional and Grab Starts in Swimming", In Swimming III, Juris Terauds and Wendy Bedingfield (eds.) University Park Press: Baltimore, 1979, pp. 215-

221.

8. Disch, J.G., Ward, P., and Foreman, K., "'Classification Variables That Discriminate Among Groups of Female Track Athletes", in Science in Athletics, Juris Terauds and George G. Dales (Eds.), Academic Publishers: Del Mar, 1979, pp. 265-275.

9. Disch, J.G., and Disch, C., "Predictive Analysis of a Battery of Anthropometric and Motor Performance Tests for Classification of Male Volleyball Players", Volleyball Technical Journal 4(3), 1979, pp. 93-98.

10. Disch, J.G., "Aerobics: A Method for Evaluating Co-ed Physical Education Classes", TAHPER Journal, Winter Issue, February 1979, pp. 12-13, 46-47.

11. Disch, J.G., and Ward, P., "The Use of Performance Profiles in Athletics", USSA News, 2(4), 1978, pp. 2-3.

12. Disch, J.G., and Morrow, J., "Prediction in Sport: Theories and Application", Research in Education, February 1980, (Ed # 177120, Eric-Microfiche).

13. Disch, J.G., Disch, C.F., and Marion, J.L., "Classification of High School Tennis Players", TAHPER Journal, February 1980, pp. 10-11.

14. Disch, J.G., Omizo, M.M., Morrow, J.R., Ward, G.R., and Michael, W.B., "The Validity of a Composite of Nineteen Personality Variables in Differentiating Between American World Class Olympic Contenders and Undergraduate Education Majors", Educational and Psychological Measurement, 1 39, 1979, pp. 997-983.

15. Disch, J.G., "A Factor Analysis of Selected Tests for Speed of Body Movement", Journal of Human Movement Studies, 5, 1979, pp. 141-151.

16. Disch, J.G., "Multivariate Statistical Approaches for Analyzing Data Involving a Small Number of Cases and a Large Number of Variables", Non-published research article prepared in fulfillment of an Assistant Professor's Grant, Rice University, 1979, 30 pp.

17. Disch, J.G., Spence, D.W., Fred, H.L., and Coleman, A.E., "Descriptive Profiles of Highly Skilled Women Volleyball Players", Medicine and Science in Sport and Exercise, 12-4, 1980, pp. 299-302.

18. Disch, J.G., Spence, D.W., and Ward, P.E., Muscle Action Potentials, Houston Dynamics Health Equipment, Inc., 1980, 48 pgs.

19. Disch, J.G., and Hudson, J.L., "Measurement Aspects of Biomechanical Analysis", Proceedings, CIC Biomechanics Symposium, Indiana University, Bloomington, 1980, pp.

191-201 (solicited)

20. Disch, J.G., Morrow, J.R., et.al., "Anthropometric Strength and Performance Characteristics of American World Class Throwers", Journal of Sports Medicine and Physical Fitness 22(1):73-79, 1982.

21. Disch, J.G. "Theories of High Level Performance Applied to Volleyball: Performance Analysis and Conditioning", Volleyball Technical Journal, 5, 1981, pp. 69-74.

22. Disch, J.G., Morrow, J.R., and Wilkerson, J.D., "The Reliability and Validity of the Handheld Planimeter for Determining Kinetic Curve Parameters", Research Quarterly for Exercise and Sport, 53, 1982, pp. 180-183.

23. Disch, J.G., "Preliminary Considerations", In Practical computer Applications of Multivariate Statistics for Researchers in HPERD, AAHPERD, Houston 1982, pp. 3-20.

24. Disch, J.G., "Partial Correlation", In Practical Computer Applications for Multivariate Statistics for Researchers in HPERD, AAHPERD, Houston, 1982, pp. 21-26.

25. Disch, J.G., "Factor Analysis", In Practical Computer Applications for Multivariate Statistics for Researchers in HPERD, AAHPERD, Houston, 1982. pp. 84-96.

26. Disch, J.G. "Selection and Classification of Athletes", Proceedings of the Fourth Measurement and Evaluation Symposium, L.A. Hensley & W.B. East (Eds.) University of Northern Iowa: Cedar Falls, 1983, pp. 27-33.

27. Disch, J.G. "Measurement and Evaluation of Basic Stuff: An Introduction", JOPERD, October 1983, p.28.

28. Disch, J.G. "Measurement, Evaluation and Motor Learning", JOPERD, October 1983, p. 28.

29. Disch, J.G. "The Teaching of Volleyball Skills: Motor Learning and Biomechanical Concerns", submitted to the U.S. Volleyball Association, Fall 1983, (In partial fulfillment of USVBA research grant).

30. Disch, J.G., "Experimental Design Issues with Multiple Dependent Variables" In Experimental Design & Analysis Considerations with Multiple Dependent variables: The Use of MANOVA, J.G. Disch (Ed) AAHPERD: Anaheim, 1984, 9 pgs.

31. Disch, J.G., Hudson, J.L., and Lee, E.J. "Effect of Biomechanical Measurement Systems on Performance", in M. Adrian & H. Deutsch (Eds.) Biomechanics Session 1984 Olympic Scientific Congress Eugene, OR. International Institute for Sport & Human Performance.

32. Disch, J.G. Innovations in Sports Skills Testing. A solicited article published in the Newsletter of the Research Consortium: AAHPERD, V 9 (#1), Fall 1986.

33. Disch, J.G. Recent Developments in Measurement and Possible Applications to the Measurement of Psychomotor Behavior: A Response. A solicited article published in Research Quarterly for Exercise and Sport, 58(3), September 1987, pp. 210-212.

34. Disch, J. G. and Gaunt, S. "The Accuracy of Partners Scoring for the Self Volley Test in Volleyball," in Measurement Theory and Practice in Exercise Science and Sport. M. J. Safrit (Editor), Madison: University of Wisconsin Press, 1990. Pgs. 188-190.

35. Disch, J. G. and Mercado, B. "Fitness Profiles of Lower Elementary Aged Boys and Girls," Proceedings from the National Measurement and Evaluation Symposium. K. Wagoner (Editor), Athens: University of Georgia, 1993, pgs. 105-109.

36. Disch, J.G. & Scott Disch. Performance Testing for Athletes," A solicited article for Olympic Coach, V 17, #3, Fall 2005, pgs. 17-21.

37. Disch, J.G. with Santiago, J.A., Morales, J., & Gaus, M. (2011). The Development of an instrument to assess physical education teachers' content knowledge of physical activity and health-related fitness: A pilot study. *The TAHPERD Journal 80(1), 14-17.*

38. Disch, J.G., with Santiago, J.A., & Morales, J. (2012). Elementary physical education teachers' content knowledge of physical activity and health-related fitness. *The Physical Educator.* 69, 395-412.

39. Disch, J.G., with Santiago, J.A., Roper, E.A., & Morales, J. (2012). The relationship among aerobic capacity, body composition, and academic achievement of fourth and fifth grade Hispanic students. *The Physical Educator.* 69. 88-104.

40. Santiago, J.A., Roper, E.A., Disch, J.G., & Morales, J. (2013). The relationship among aerobic capacity, body composition, and academic achievement of fourth and fifth grade Hispanic students. *The Physical Educator, 70*(1), 88-104.

41. Santiago, J.A., Morales, J., & Disch, J.G., Morrow, J.R., Jr. (2014) Preservice physical education teachers' content knowledge of physical activity and health-related fitness. *The ICHPER-SD Journal of Research, 44*(1), 86-100.

D. Published Abstracts

1. Disch, J.G., "A Factor Analysis of Runs Involving Speed and Endurance", Proceedings the Southern District Convention, AAHPER, Oklahoma City, February, (1971) (abstract)

2. Disch, J.G., "The Effects of Two Factors on the Performance of Selected Weight Training Skills", Proceedings of the Southern District Convention AAHPER, Norfolk, February, (1974) (abstract)

3. Disch, J.G., and Field, P., "Estimation of Measurement Schedules and Reliabilities for Multiple Trial Tests Related to Volleyball Playing Ability Proceedings of the Southern District Research Council, AAHPER, Mobile, March (1976) (abstract)

4. Disch, J.G., and Liskevych, T., "A Generalized Discriminant Function for Classifying Female Volleyball Players", In Abstracts of Research Papers, National AAHPER Convention, Milwaukee, April, 1976.

5. Disch, J.G., Hosler, W., and Bloom, J., "Differences in Reaction Time, Movement Time, and Flight Time Between the Conventional and Grab Starts In Novice Swimmers", Proceedings of the Southern District Research Council, AAHPER, Atlanta, February, 1977 (abstract).

6. Disch, J.G., "A Canonical Analysis of the Relationships Between Anthropometric Measures and Motor Performance Tests in Female Volleyball Players", Proceedings of the Southern District Research Council, AAHPER, Atlanta, February 1977 (abstract)

7. Disch, J.G., and Boyd, A. "Analysis of Selected Movement Characteristics in College Distance Runners", Proceedings of the Southern District Research Council, AAHPER, Little Rock, February, 1978.

8. Disch, J.G., "Athletic Performance Profiles: An Overview", In Athletic Performance Profiles: A Method of Selection, Classification, and Diagnosis, A research symposium published in the Proceedings of the Southern District Research Council, AAHPER, Little Rock, February, 1978 (abstract)

9. Disch, J.G., "Descriptive Performance Profiles for Female Volleyball Players", In Athletic Performance Profiles: A Method of Selection, Classification, and Diagnosis, Published in the Proceedings, at the Southern District Convention, AAHPERD, Little Rock, 1978 (abstract)

10. Disch, J.G., "A Factor Analysis of Selected Tests for Speed of Body Movement", In Abstracts of Research Papers, national AAHPER Convention, New Orleans, March 1979.

11. Disch, J.G., Ward, P.E., Garfield, D., Cobb, R. and Lambert, L., "The Effects of Circuit Weight Training on Selected Physical Fitness Parameters", Abstracts, 1980 SDAAHPER Convention, #4, Nashville: SDAAHPER Research Council, 1980, p.51.

12. Disch, J.G., Dewey, C., Disch, C.F., and Allen, D.W., "Analysis of the Canonical

Relationships Between a Battery of Motor Performance Tests and a Battery of Volleyball Skills Tests", Abstracts, Research Papers 1980 AAHPERD Convention, Washington, AAHPERD 1980, p. 102.

13. Disch, J.G., and Hampton, G.W., "The Use of a Platform Stabilometer in Determining the Total Body Center of Gravity", Proceedings, Big Ten Biomechanics Symposium, Indiana University, Bloomington, 1980, pps 344-345, (abstract)

14. Disch, J.G., and Vala, T., "Qualitative Analysis of the Dink Shot in Volleyball", Proceedings, Big Ten Biomechanics Symposium, Indiana University, Bloomington, 1980, p. 336 (abstract)

15. Disch, J.G., Spence, D.W., and Ward, P.E., "An EMG Comparison of the Contraction of Selected Muscles on Free Weight Lifts Versus Variable Resistance Machine Lifts", Proceedings, Big Ten Biomechanics Symposium, Indiana University, Bloomington, 1980, pps. 334-335, (abstract)

16. Disch, J.G., Wilkerson, J.D., and Morrow, J.R., "The Reliability of the Handheld Planimeter for Measuring Strength Curve Parameter", Proceedings, Big Ten Symposium, Indiana University, Bloomington, 1980, p. 323 (abstract)

17. Disch, J. G., "Sport Prediction and Performance: An Overview," In Proceedings, of the Third International Symposium on Forecasting, Philadelphia, 1983, p. 30 (solicited abstract)

18. Disch, J.G., Shaw, V.W., Morrow, J.R., Jr., Johnson, A.S., "The Accuracy of Two training Methods on Skinfold Assessment", In Abstracts of Research Papers, 1985, Haynes, E. (Ed.) Washington: AAHPERD, 1985, p. 31

19. Disch, J.G., Spence, D.W., Hockberg, J. and Ward, P.E. The Prediction of Maximum Strength from Selected Orgasmic Variables. Proceedings of the National Measurement and Evaluation Symposium, LSU, Baton Rouge, October, 1986. (Abs.)

20. Disch, J.G. The Reliability of a Modified Trials to Criterion Serving Test In Volleyball. Proceedings of the V National Measurement and Evaluation Symposium, LSU, Baton Rouge, October 1986 (Abs).

21. Disch, J.G. "The Factor Structure of Speed of Body Movement: A Confirmatory Analysis," Abstracts of Research Papers, 1988, AAHPERD Reston (1988), p.261

22. Disch, J.G., Merritt, G. and Schneider, C. Measurement Considerations for a Modified Trials to Criterion Serving Test for Volleyball," Abstracts of Research Papers 1988, AAHPERD: Reston (1988), p. 260.

23. Disch, J. G. and Gaunt, S. “The Accuracy of Interjudge Scoring of a Sports Skill from Video Tape,” Conference Abstracts: Research Council Proceedings: Southern District of AAHPERD (1991), p.28.

24. Disch, J. G. and Coleman, J.E. “Performance Characteristics of Elite Male Volleyball Players,” Abstracts of Research Papers, 1991 (1991), p.234.

25. Disch, J. G. and Doyle, P. “The Equivalence of Two Radar Guns for Measuring Ball Speed,” Proceedings of the Eighth National Measurement and Evaluation Symposium, Oregon State University, Press. Wood, Terry M. (editor), Corvallis, 1997, p. 164.

26. Disch, J.G., Doyle, P. and Taylor, M. “The Concurrent Validity of the Sports Radar Gun with the Jugs Gun,” Proceedings of the 7th Annual Mardi Gras Symposium, University of New Orleans, Eason, Bob and Loftin, Mark (editors), New Orleans, 1997.

27. Disch, J.G., Doyle, P and Taylor, M. “The Effects of Selected Factors on the Consistency of Measurement of the Sports Radar Gun,” Proceedings of the 7th Annual Mardi Gras Symposium, University of New Orleans. Eason, Bob and Loftin, Mark (editors), New Orleans, 1997.

28. Disch, J.G. and Cavallini, F. “Physical Activity Levels of College-Aged Students Enrolled in a Basic Physical Education Class, Program and Abstract Book, The Cooper Clinic Conference Series: Measurement of Physical Activity, Dallas, 1999, p. 31.

29. Disch, J.G. and Cavallini, F. “Physical Activity Levels of College-Aged Students Enrolled in a Basic Physical Education Class," Measurement in Physical Education and Exercise Science, 4 (#2), 2000,pps.132-133.

30. Disch, J.G., Disch, C., Passaro, A. and Anderson, K. “Descriptive Differences in Sport Competition Anxiety Test Scores for Selected High School Athletes.” Published in the proceeding of the TAHPERD State Convention, Corpus Christi, TX, December 2005.

31. Disch, J.G., Disch, S.C., Moake, M. and Anderson, K. “A Comparison of Percent Body Fat Estimates Between Division I and Division III Baseball Players.” Published in the proceedings of the Hawaii International Conference on Education, January 2006, ISSN# 1 541 – 5880

32. Disch, J.G., Disch, S.C. and Anderson, K. “A Comparison of Off Season and In Season Percent Body Fat Estimates for Division III Baseball Players.” Published in the proceedings of the Hawaii International Conference on Education, January 2006, ISSN# 1 541 – 5880

33. Disch, J.G. with Santiago, J.A., & Morales, J, (2009). Differences in physical activity and health-related fitness knowledge of in-service physical education teachers. *Research Quarterly for Exercise and Sport*, 80: A- 46.

34. Disch, J.G. with Santiago, J.A. & Morales, J., (2010). Comparison of physical education teachers' physical activity and fitness knowledge. *Research Quarterly for Exercise and Sport, 81*: A- 68

35. Disch, J.G. (2012). Using Microsoft Excel to calculate intraclass reliability coefficients. *Proceedings of the 12th Measurement & Evaluation Symposium: New Approaches in Measuring and Assessing Physical Activity*, p. 24.

36. Disch, J.G. with Santiago, J.A. & Morales, J. (2012). Content knowledge differences between preservice and inservice physical education teachers. *Research Quarterly for Exercise and Sport, online at http://www.ingentaconnect.com/content/aahperd/rqes/2012/00000083/a00101s1.*

37. Disch, J.G **,** Santiago, J.A**.,** &. Morales, J., (2012). Content knowledge differences between in-service and preservice physical education teachers. *Research Quarterly for Exercise and Sport, 83*, Supplement, A-60

E. Solicited Reviews

1. A Practical Approach to Measurement in Physical Education 3rd ed. by Barrow, H.M., and McGee, R., in Journal of Physical Education and Recreation, February 1981, pps. 73-74.

2. Measurement for Evaluation in Physical Education, by Baumgartner, T.A., and Jackson, A.S., for Houghton-Mifflin, Co., 1975.

3. Measurement & Evaluation in Physical Education, Fitness & Sports by Bosco, J.S. and Gustafson, W.F., in Journal of Physical Education and Recreation.

4. Sport Speed, by Dintiman, G.B. & Ward, R.D. in Journal of Physical Education, Recreation & Dance, January 1989, pps. 86-88.

5. Assessing Sports Skill, by Strand, B.N. and Wilson, R. for Human Kinetics, 1992.

6. 52 Week Conditioning for Baseball by Coleman, E. for Amazon.com, 2001.

Presentations and Participation at Scholarly Meetings

A. Professional Papers

1. Disch, J.G., "Physical Fitness from the Viewpoint of the Measurement Specialists", invited presentation at the TAHPER Convention, Houston, December 1974.

2. Disch, J.G., "The Validity of Distance Run Factors", a research paper presented at the TAHPER Convention Houston, December 1979.

3. Disch, J.G., Spence, D.W., and Coleman, G., "Performance Profiles of the United States Women's Volleyball Team", TAHPERD Convention, Forth Worth, December 1975.

4. Disch, J.G., "A Factor Analysis of Selected Tests for Speed of Body Movement", Indiana State Convention of AAHPER, Muncie, December 1972.

5. Disch, J.G. Co-ed Physical Education: Theory and Practice", Invited presentation at the Independent Schools Association of the Southwest Convention, March 1978.

6. Disch, J.G. "General Information and Partial Correlation", Part 1 of a three-part symposium entitled, Practical Applications of Multivariate Statistical Techniques for Physical Educators, SAPECW Convention, Arlington, October 1978.

7. Disch, J.G. "Multiple Regression and Canonical Correlation', Part 2 of a three-part symposium entitled, Practical Applications of Multivariate Statistical Techniques for Physical Educators, SAPECW Convention, October 1978.

8. Disch, J.G. "Discriminant Analysis and Factor Analysis", Part 3 of a three-part symposium entitled Practical Applications of Multivariate Statistical Techniques for Physical Educators, SAPECW Convention, Arlington, October 1978.

9. Disch, J.G. and Iammarino, N.K., "A Discriminant Analysis of the Effects of Selected Health Education Programs of Student's Cigarette Smoking Attitudes", A research paper presented at the State Convention of TAHPER, Forth Worth, December 1979.

10. Disch, J.G., Morrow, J.R., Donovan, III., T.J., Ward, P.E., "The Relationship Between Isotonic and Isokinetic Strength Measures of the Upper Body in National-Class Field Event Participants", A research paper presented at the State Convention, San Antonio, December 1980.

11. Disch, J.G., Lee, E.J., and Spence, D.W. "Performance Levels of Female College Students on the AAHPERD Health Related Fitness Test", a research paper presented at TAHPER Convention, San Antonio, December 1980.

12. Disch, J.G. "The Need and Use of Performance Profiles for Evaluating Athletes in Track and Field", Florida High School Coaches Meeting, Gainesville, January 1981.

13. Disch, J.G., Lee, E.J. and Hudson, J.H. "The Influence of Biomechanical Measurement Systems on Performance," a research paper presented at the State Convention of TAHPER, Houston, December 1981.

14. Disch, J.G. and Fisher, S. "The Use of Performance Ratios for Evaluating Motor Skills", a research paper presented at the State Convention of TAHPER, Houston, December 1981.

15. Disch, J.G., Brown, H., Ward, P.E. and Fleck, T. "The Validity of Selected Motor Performance Tests and Body Composition Measures for Classifying Female Track Athletes", a research paper presented at the State Convention of TAHPER Houston December 1981.

16. Disch, J.G., Ward, P.R., Cobb, R., and Garfield, D. "A Multivariate Analysis of Variance of the Effects of Two Methods of Circuit Weight Training on Selected Physiological Parameters", a research paper presented at the State meeting of TACSM, Houston, December 1981.

17. Disch, J.G., "A Factor Analysis of Runs Involving Speed and Endurance", a research paper presented at the Southern District Convention, AAHPER, Oklahoma City, February 1971.

18. Disch, J.G. "The Effects of Two Factors on the Performance of Selected Weight Training Skills", a research paper presented at the Southern District Convention, AAHPER, Norfolk, February 1974.

19. Disch, J.G. "Consideration for Establishing a Reliable and Valid Criterion Measure for Multiple Trial Motor Performance Tests", a research paper presented at CIC Big Ten Symposium, Bloomington 1975.

20. Disch, J.G. and Field, P. "Estimation of Measurement Schedules and Reliabilities for Multiple Trial Tests Related to Volleyball Playing Ability", a research paper presented at the Southern District Research Council, AAHPER, Mobile, March 1976.

21. Disch, J.G. and Liskevych, T. "A Generalized Discriminant Function for Classifying Female Volleyball Players", a research paper presented at the National AAHPER Convention, Milwaukee, April 1976.

22. Disch, J.G., Hosler, W., and Bloom, J. "Differences in Reaction Time, Movement Time, and Flight Time Between the Conventional and Grab starts in Novice Swimmers", a research paper presented at the Southern District Research Council, AAHPER, Atlanta,

February 1977.

23. Disch, J.G. “A Canonical Analysis of the Relationships Between Anthropometric Measure and Motor Performance Tests in Female Volleyball Players”, a research paper presented at the Southern District Research Council, AAHPER, Atlanta, February 1977.

24. Disch, J.G. and Boyd, A., “Analysis of Selected Movement Characteristics in College Distance Runners”, a research paper presented at the Southern District Research Council, AAHPER, Little Rock, February, 1978.

25. Disch, J.G., and Jackson, A. “Athletic Performance Profiles: An Overview”, a research symposium presented at the Southern District Research Council, AAHPER, Little Rock, February 1978.

26. Disch, J.G. “Descriptive Performance Profiles for Female Volleyball Players”, presented at Southern District Research Council, AAHPER, Little Rock, February 1978.

27. Disch, J.G., Hosler, W., and Bloom, J. “The Effects of Weight, Height, and Reach on the Performance of the Conventional and Grab Starts in Swimming”, a research paper presented at the International Congress of Sports Science, Edmonton, Alberta (Canada), 1978.

28. Disch, J.G., Ward, P., and Foreman, K., “Classification Variables That Discriminate Among Groups of Female Track Athletes”, a research paper presented at the International Congress of Sports Science, Edmonton, Alberta (Canada) 1978.

29. Disch, J.G., Ward, P.D., Garfield, D., Cobb, R., and Lambert, L. “The Effects of Circuit Weight Training on Selected Physical Fitness Parameters”, a research paper presented at the SDAAHPER Convention, Nashville, 1980.

30. Disch, J.G., Dewey, C., Disch, C.F. and Allen, D.W. “Analysis of the Canonical Relationships Between a Battery of Motor Performance Tests and A battery of Volleyball Skills Tests”, a research paper presented at the National AAHPERD Convention, Detroit, 1980.

31. Disch, J.G., and Hampton, G.W., “The Use of a Platform Stabilometer in Determining the Total Body Center of Gravity”, a poster presentation presented at the Big Ten Biomechanics Symposium, Bloomington, 1980.

32. Disch, J.G. and Vala, T. “Qualitative Analysis of the Dink Shot in Volleyball”, a poster presentation at the Big Ten Biomechanics Symposium, Bloomington, 1980.

33. Disch, J.G., Spence, D.W., and Ward, P. “An EMG Comparison of the contraction of Selected Muscles on Free Weight Lifts Versus Variable Resistance Machine Lifts”, a

poster presentation at the Big 10 Biomechanics Symposium, Bloomington, 1980.

34. Disch, J.G., Wilkerson, J.D., and Morrow, J.R., "The Reliability of the Handheld Planimeter for Measuring Strength, Curve Parameter", a poster presentation at the Big 10 Biomechanics Symposium, Bloomington, 1980.

35. Disch, J.G., and Hudson, J.L. "Measurement Aspects of Biomechanical Analysis", a solicited paper presented at the Big10 Biomechanics Symposium, Bloomington, 1980.

36. Disch, J.G., "Conducting a Factor Analytic Study", a paper presented at the National AAHPERD Convention, Houston, 1982.

37. Disch, J.G., Pelton, B.C., and Pfaff, D.A. "A Determination of Attitudes Toward a Combined Men and Women Track and Field Program at the University of Houston", a research paper presented at the State Convention of TAHPER, Arlington, December 1982.

38. Disch, J.G., "The AAHPERD Health Related Physical Fitness Test", an invited paper presented at the State Convention of TAHPER, Arlington, December, 1982.

39. Disch, J.G., "Sport Prediction and Human Performance: An Overview", a solicited presentation at the Third International Symposium on Forecasting, Philadelphia, June 1983.

40. Disch, J.G. & Pelton, B., "A Determination of Attitudes Toward a Combined Men and Women's Swim Team at the University of Houston", a research paper presented at the State Convention of TAHPER, November, 1984.

41. Disch, J.G., Hudson, J.L. & Lee, E.J. "The Difference of Biomechanical Measurement Systems on Performance", a research paper presented at the Olympic Scientific Congress, Eugene, Oregon, July 1984.

42. Disch, J.G., Shaw, V.W., Morrow, JR., Jr., & Jackson, A.S. "The Accuracy of Two Training Methods on Skinfold Assessment", a research paper presented at the National AAHPERD Convention, Atlanta, 1985.

43. Disch, J.G. "Revision of the AAHPERD Volleyball Skills Test", a research paper presented at the National AAHPERD Convention, Cincinnati, 1986.

44. Disch, J.G., Spence, D.W., Hockberg, J. and Ward, P.E. "The Prediction of Maximum Strength From Selected Orgasmic Variable", a poster presented at the V National Measurement and Evaluation Symposium, Baton Rouge: LSU, October 1986.

45. Disch, J.G. "The Reliability of a Modified Trials to Criterion Serving Test In Volleyball", a

poster presentation presented at the V National Measurement and Evaluation Symposium, Baton Rouge: LSU, October, 1986.

46. Disch, J. G. and Gaunt, S. "The Accuracy of Partners Scoring for the Self Volley Test in Volleyball," a presentation at the 6th National Measurement and Evaluation Symposium, Madison: University of Wisconsin, October, 1989.

47. Disch, J. G. "The Reliability and Validity of a Volleyball Skills Test Battery," a paper presented at the National Convention of AAHPERD, New Orleans, Louisiana, April, 1990.

48. Disch, J. G. and Gaunt, S. "The Accuracy of Interjudge Scoring of a Sports Skill from Video Tape," a research paper presented at the Southern District Convention of AAHPERD, Norfolk, Virginia, February, 1991.

49. Disch, J. G. and Coleman, J.E. "Performance Characteristics of Elite Male Volleyball Players," a poster presentation at the National Convention of AAHPERD, San Francisco, California, April, 1991.

50. Disch, J. G. "The New AAHPERD Volleyball Skills Test," a solicited presentation at the National AAHPERD Convention, Indianapolis, Indiana, April, 1992.

51. Disch, J. G. and Mercado, B. "Fitness Profiles of Lower Elementary Aged Boys and Girls," presented at the Seventh National Measurement and Evaluation Symposium, Athens: University of Georgia, October, 1992.

52. Disch, J. G., Henson, P., Mercado, R and Lopez, V. "Selection and Classification of Athletes with Applications to Track and Field," a solicited presentation at the National AAHPERD Convention, Atlanta, Georgia, April 1996.

53. Disch, J. G. and Doyle, P. "The Equivalence of Two Radar Guns for Measuring Ball Speed," poster presented at the Eighth National Measurement and Evaluation Symposium, Oregon State University, October, 1996.

54. Disch, j. G., Doyle, P., and Taylor, M. "The Concurrent Validity of the Sports Radar Gun with the Jugs Gun," a research presentation at the 7th Annual Mardi Gras Symposium, University of New Orleans, January 1997.

55. Disch, J.G., Doyle, P. and Taylor, M. "The Effects of Selected Factors on the Consistency of Measurement of the Sports Radar Gun," a research presentation at the 7th Annual Mardi Gras Symposium, University of New Orleans, January 1997.

56. Disch, J.G. and Morales, J. "Measurement Concerns for Coaches," a solicited presentation at the National Convention of the American Alliance for Health, Physical Education, Recreation and Dance, St. Louis, Mo., April, 1997.

57. Disch, J.G. "Establishing Merit Raises; Are we Robbing Peter to Pay Pauline?," presented at the Summer meeting of the College and University Administrators Council of AAHPERD, Copper Mountain, Colorado, July, 1998.

58. Disch, J.G. and Nichols, J. "A Pitch by Pitch Analysis Program for Baseball Players," poster presented at Texas Association of Health, Physical Education and Recreation Convention, Houston, TX, December 1998.

59. Disch, J.G., Milner, Q. and Moss, D. "Descriptive Performance Characteristics of Youth Baseball Players," poster presented at Texas Association of Health, Physical Education and Recreation Convention, Houston, TX, December 1998.

60. Disch, J.G. and Cavallini, F. "Physical Activity Levels of College-Aged Students Enrolled in a Basic Physical Education Class," a poster presented at the The Cooper Clinic Conference Series: Measurement of Physical Activity, Dallas, TX, October 1999.

61. Disch, J.G., Baugh, K., & Crosby, R. "Measurement of Youth Baseball Players," State Convention of Texas Association for Health, Physical Education, Recreation and Dance, Corpus Christi, TX November 2001.

62. Disch, J.G. "Reliability Analysis Using EXCEL" Solicited presentation at the State Convention of Texas Association for Health, Physical Education, Recreation and Dance, Galveston, TX December 2003.

63. Disch, J.G. "Statistics with EXCEL" A pre convention symposium to be presented at the National Convention of the American Alliance for Health, Physical Education, Recreation and Dance, New Orleans, LA March 2004.

64. Disch, J.G., Disch, C., Passaro, A. and Anderson, K. "Descriptive Differences in Sport Competition Anxiety Test Scores for Selected High School Athletes." To be published in the proceeding of the TAHPERD State Convention, Corpus Christi, TX, December, 2005.

65. Disch, J.G., Disch, S.C., Moake, M. and Anderson, K. "A Comparison of Percent Body Fat Estimates Between Division I and Division III Players." To be published in the proceedings of the Hawaii International Conference on Education, January 2006.

66. Disch, J.G., Disch, S.C. and Anderson, K. "A Comparison of Off Season and In Season Percent Body Fat Estimates for Division III Players." A poster presented at the Hawaii International Conference on Education, January 2006.

67. Disch, J.G., Looney, M., Safrit, J, & Zhu, W. "IRT, 20 years later: Promises Made, Not Made and To Be Made. Presented at the National Convention of AAHPERD, March 11 – 17, 2007, Baltimore, MD.

68. Disch, J.G. and Lawson, L. "Teaching Research Methods Through Sport Marketing Applications" State Convention of TAHPERD, December 2007, Galveston, TX.

69. Disch, J.G., Santiago, J., and Morales, J. (2008, December). The reliability and validity of an instrument to assess physical activity and health-related fitness content knowledge of in-service elementary physical education teachers. Poster session presented at the annual meeting of the Texas Association for Health, Physical Education, Recreation and Dance, Corpus Christi, TX.

70. Disch, J.G., Santiago, J., and Morales, J. (2009, March). Differences in physical activity and health-related fitness knowledge of in-service physical education teachers. Poster session presented at the annual meeting of the American Alliance for Health, Physical Education, Recreation and Dance, Tampa, Florida.

71. Disch, J.G., Santiago, J., and Morales, J Relationship between health-related fitness and academic achievement in fourth and fifth grade Hispanic students. Poster session presented at the annual meeting of the Texas Association for Health, Physical Education, Recreation and Dance, Arlington, Texas, December 2009.

72. Disch, J.G., Santiago, J., and Morales, J. Comparison of Physical Education Teachers' Physical Activity and Fitness Knowledge. A paper presented at the annual meeting of the American Alliance for Health, Physical Education, Recreation and Dance, Indianapolis, Indiana, March, 2010.

73. Disch, J.G. and Sosa, J.P. Teaching Research Methodology Through Involvement with Professional Sports Teams. A presentation made at the 2010 AAHPERD National Convention and Exposition, Indianapolis, Indiana, March 2010.

74. Disch, J.G., Santiago, J., and Morales, J Fitness and Physical Activity in Children: Approaches to Teaching Physical Activity and Health. A poster presented at the 2010 AAHPERD National Convention and Exposition, Indianapolis, Indiana, March, 2010.

75. Disch, J.G., Grigsby, C., Michel, C., and Wardlow, T. Development of the Houston Area Sports Survey. Poster session presented at the annual meeting of the Texas Association for Health, Physical Education, Recreation and Dance, Galveston, Texas, December 2010.

76. Disch, J.G., Santiago, J.A., & Gaus, M.D. Pre-Service Physical Education Teachers' Content Knowledge of Physical Activity and Health Related Fitness A poster presented at the annual meeting of the Texas Association for Health, Physical Education, Recreation and Dance, Dallas, Texas, December 2011.

77. Disch, J.G. Using Microsoft Excel to calculate intraclass reliability coefficients. A Poster presented at the 12th Measurement & Evaluation Symposium: New Approaches in Measuring and Assessing Physical Activity, Boston, Ma, March, 2012.

78. Disch, J.G. with Santiago, J.A. & Morales, J. Content knowledge differences between preservice and in-service physical education teachers. A poster presented at the 2010 AAHPERD National Convention and Exposition, Boston, Ma, March 2012

79. Disch, J.G. with Santiago, J.A., Morrow, J.R., Jr., & Morales, J. Preservice physical educator's knowledge of physical activity and health-related fitness. Poster session presented at the Society of Health and Physical Educators of America, St. Louis, Missouri. April, 2014.

80. Disch, J.G. with Sears, J. Positive Coaching Alliance tenets applied to K-12 & basic activities. A presentation at the 2016 TAHPERD Convention, Galveston, TX, December, 2016.

81. Disch, J.G. with Finch, J., Adam, J. & Fleder, N. Selected Research in Sports Analytics. A presentation at the 2016 TAHPERD Convention, Galveston, TX, December, 2016.

82. Disch, J. G. & Haptonstall, C. Did the University of Colorado really win? Current college students revisit the 5th down controversy from the 1990 University of Colorado versus the University of Missouri? A poster presented at the 2016 TAHPERD Convention, Galveston, TX, December, 2016.

83. Disch, J. G. and Petro, J. Analyzing competitive balance in professional sports leagues. A poster presented at the 2017 TAHPERD Convention, Ft. Worth, TX, December, 2017.

84. Disch, J. G., Potter, C. and Quen, S. Economic Impact of the 2017 World Series on Harris County. A presentation at the 2018 TAHPERD Convention, Galveston, TX, December, 2018.
85. Disch, J.G. Selected Undergraduate Research in Sports Analytics. A presentation at the 2018 TAHPERD Convention, Galveston, TX, December, 2018.

B. Public and Institutional Presentations

1. Disch, J.G. "Selected Topics in Biomechanical Analysis of Sport." Graduate Seminar University of Houston, 1974.

2. Disch, J.G. "Aspects of Biomechanical Analysis of Sport, Graduate Seminar, University of Houston, 1975.

3. Disch, J.G. “Mechanical Analysis of Running.” Invited presentation at the Beginning Runner’s Clinic” American Medical Joggers Association, Houston, October 1978.

4. Disch, J.G. “The Use of Performance Profiles in Volleyball.” Coaches Seminar, University of Houston August 1979.

5. Disch, J.G. “Principles of the Man-to-Man Defense.” Teacher In-Service Seminar, Rice University, September 1979.

6. Disch, J.G. “Concepts of Man-to-Man Defense for High School Coaches.” Graduate Seminar, University of Houston, June 1980.

7. Disch, J.G. “Motion Offense for High School Basketball Players.” Graduate Seminar, University of Houston, July 1980.

8. Disch, J.G. “Use of Performance Profiles in Athletics.” Graduate Seminar, University of Houston, July 1980.

9. Disch, J.G. “The Use of Circuit Weight Training as an Aerobic Conditioner.” Houston, Masters Association, December 1980.

10. Disch, J.G. “Mechanics of Shooting in Basketball.” Teacher’s In-service Seminar Rice University, September 1980.

11. Disch, J.G. “Motion offense Concepts Applied to Zone Defenses.” Teacher’s In-service Seminar, Rice University, September 1980.

12. Disch, J.G. “Fitness and Figure Control Through Circuit Weight Training.” Southwest YMCA Adult Lecture Series, November 1980.

13. Disch, J.G. “Circuit Weight Training for Development of Aerobic Fitness.” The Sportswoman Community Lecture Series, July 1980.

14. Disch, J.G. “Performance Profiles for Evaluating Track Athletes.” The Athletics Congress Olympic Development Committee Report, January 1981.

15. Disch, J.G. “Biomechanics of Sports Technique.” Graduate Seminar, University of Houston, July 1981.

16. Disch, J.G. Circuit Weight Training for Development of Total Fitness.” Southwest YMCA Adult Lecture Series, December 1981.

17. Disch, J.G. “The Use of the AAHPERD Health Related Fitness Test with Elementary

Students." A teacher's in-service, Spring Independent School District, August 1982.

18. Disch, J.G. "Conditioning and Weight Training for Volleyball and Basketball." A teacher's in-service, Rice University, September 1982.

19. Disch, J.G. "Measurement Concerns with Skinfold Testing." A presentation made to the staff of the Sid Richardson Institute, Methodist Hospital, September 1982.

20. Disch, J.G. "The AAHPERD Health Related Fitness Test." Lecture/Workshop presented to the Houston Masters Association, May 1982.

21. Disch, J.G. "Performance Analysis: Methods for Evaluating Athletes." Graduate Seminar, University of Houston, July 1982.

22. Disch, J.G. "The Evaluation of Body Composition." Workshop conducted for Enerjazz of Houston, November 1983.

23. Disch, J.G. Volleyball Conditioning." Graduate Seminar, University of Houston, July 1983.

24. Disch, J.G. "An Innovative Method for Evaluation in Basic Physical Education Classes." Graduate Seminar, Rice University, November 1983.

25. Disch, J.G. "Conditioning the High School Volleyball Player" Graduate Seminar, University of Houston, July 1984.

26. Disch, J.G. "Motion Offense and the 5 Player Continuity Break." Public Seminar, Heights Medical Arts, December 1984.

27. Disch, J.G. "Factor Analysis." Graduate Lecture, Indiana University, June 1987.

28. Disch, J.G. "Coaching Youth Basketball," Coaching lectures at Post Oak and Southwest YMCA's and River Oaks Baptist Church, December 1989.

29. Disch, J.G. "Coaching Youth Baseball," Coaching lecture at Chapelwood United Methodist Church, February 1996 - present.

30. Disch, J.G. "Coaching Youth Basketball" Coaching lecture at Chapelwood United Methodist Church, November 1996.

31. Disch, J.G. "Coaching Tee Ball," Coaching lecture for Bellaire Little League, January 1997 - 2011.

32. Disch, J.G. Coaching Youth Baseball," Coaching lecture for Chapelwood United

Methodist Church, March 1997 - 2009.

33. Disch, J.G. “Coaching Youth Soccer,” Coaching lecture for Chapelwood United Methodist Church, September 1997 - 2009.

34. Disch, J.G. “Coaching Youth Baseball,” Coaching lecture for Chapelwood United Methodist Church, March 1998 - 2009.

35. Disch, J.G. “Coaching Youth Baseball,” Coaching lecture for Bellaire Little League, March 1998 - 2011.

36. Disch, J.G. "Hypothesis Testing in Kinesiological Research," lecture presented to Kine 440 class, October 1999.

37. Disch, J.G. " Biomechanical Foundations of Kinesiology," a series of lectures presented to Kine 120, October 2000.

38. Disch, J.G. “The Nature and Basis of Measurement”. An invited presentation at Bridgewater College, VA Spring, 2003

39. Disch, J.G. “Controlling for Internal and External Validity in Experimental Research”. An invited lecture presented at Shenandoah University, VA October, 2003

40. Disch, J.G. "Ethical Concerns in Conducting Research." An invited presentation at Shenandoah University, Va. February 2004.

41. Disch, J.G. "Statistics with Excel." An invited presentation at Shenandoah University, Va March 2004.

42. Disch, J.G. “Expectations and the Process” An invited lecture presented at the Houston Independent School District’s Winter Conference for Physical Education teachers, January 26, 2008.

43. Disch, J.G. and Gaber, N. “Statistical Analysis of Selected Offensive Situations at the Second World Baseball Classic,” Presented at the meeting of the Larry Dierker Chapter of SABR, Houston, TX, June, 2009.

44. Disch, J.G. "Kinesiology: The Profession." An invited presentation at Shenandoah University, Va., October, 2009.

45. Disch, J.G. “Statistical Analysis of Baseball Records” An invited presentation to the SABRmetrics class, Episcopal, High School, Houston, TX, January 2010.

46. Disch, J.G. "The Current Status of Kinesiology." An invited presentation at Shenandoah University, Va., October, 2010.

47. Disch, J.G. "Job Opportunities in the Field of Kinesiology." An invited presentation at Shenandoah University, Va., October, 2011.

C. Participation at Scholarly Meetings

1. Associate Convention Manager, Texas State AAHPER Convention, 1974.

2. Director, Practical Applications of Multivariate Statistical Techniques for Physical Educators. A statistical symposium presented at the convention of the Southern Association of Physical Education for College Women, Arlington, October 1977 (solicited presentation)

3. Chairman, Athletic Performance Profiles Symposium, Southern District of AAHPER, Little Rock, February 1978.

4. Chairman, Athletic Section, International Congress on Sports Sciences, Edmonton, Alberta (Canada), July 1978.

5. Head, Planning Committee, Third National Measurement Symposium, AAHPERD, Houston, October 1980.

6. Co-Director, Symposium on Practical Computer Applications of Multivariate Statistics for Researchers - HPERD, AAHPERD Convention, Houston, 1982.

7. Program Planning, Measurement & Evaluation Council, AAHPERD Convention, Minneapolis, 1983.

8. General Assembly Delegate, ARAPCS/AAHPERD Convention, Houston, 1982.

9. Presider, Measurement & Evaluation Council Meeting, AAHPERD Convention, Minneapolis, 1983.

10. Presider, Research Consortium, AAHPERD Convention, Minneapolis, 1983.

11. Presider, Research Consortium, AAHPERD Convention, Atlanta, 1985.

12. Organizer, Research Section on Skills Test Review, AAHPERD Convention, Cincinnati, 1986.

13. Presider, Research Consortium Poster Session, AAHPERD Convention, Cincinnati, 1986.

14. Organizer & Presider, "Sport Prediction and Human Performance", Solicited Symposium, Third International Symposium on Forecasting, Philadelphia, 1983.

15. Director, MANOVA Workshop, AAHPERD, Anaheim, 1984.

16. Presider, Research Consortium, AAHPERD Convention, Las Vegas, 1987.

17. Presider, Measurement of Physical Activity Conference, The Cooper Clinic, Dallas, 1999.

18. Presider, Measurement Issues and Challenges in Aging Research Conference, University of Illinois, Urbana, 2003.

19. Presider, Measurement Issues and Challenges in Walking Research Conference, University of Illinois, Urbana, 2005.

University and Community Service

- Master, Richardson College 1986-1991
- Faculty Associate, Richardson College, Rice University 1991-present
- Faculty Associate, Baker College, Rice University 1974-1986
- Men's Volleyball Coach/Sponsor, Rice University, 1974-1986
- Field Hockey Club Sponsor, Rice University 1982-1986
- Women's Basketball Coach, Rice University 1973-75
- Women's Volleyball Coach, Rice University 1975
- Collegiate Commissioner, United States Volleyball Association (USVBA) Texas Region, 1976-81
- Assistant Director, Purdue University Volleyball Camp 1976-1977
- Special Assistant Coach, USA Women's Volley Team 1975
- Volleyball Instructor, EPU Olympic Development Camp 1974
- Member Collegiate All-American Selection Committee for USVBA 1975
- Tournament Director, AIAW Zone Basketball Championships 1976
- Girls Basketball Workshop Director, Kinkaid High School 1977
- Member, Search Committee for Women's Athletic Coaches, Rice University, Spring 1978
- University Marshall's Committee, Rice University 1979-80, 1982-86
- Director, Second Baptist School Volleyball Clinic, 1980
- Director, Area Summer Sports Camps 1982-present
- Director, Greenhill School Volleyball Camp 1979-82
- Director, Rebel Volleyball Camp, 1981-1990
- Basketball Instructor, Northwest Basketball Clinic 1981 & 1982

- Director, St. Stephen's Volleyball Camp 1981-1987
- Member, Admission Committee, Rice University 1983-94
- Member, ROTC Committee, Rice University 1984-1986, 1995-present
- Co-Director, Rice University Volleyball Camp 1984 & 1985
- Co-Director, Rice University Women's Basketball Camp 1984
- Bluebonnet Bowl Message Coordinator, 1985-87
- U.S. Olympic Festival Staff, Summer 1986 - Field Hockey Announcer
- Secretary, Masters Committee, Spring 1987
- Chairman, Masters Committee Spring 1988
- Chairman, Rice Alcoholic Beverage Policy Advisory Committee 1987-1991
- Member, Volleyball Coach Search Committee, 1995
- Member, Health Educator, Selection Committee, 1998
- Member, Rice University Athletics Committee, 1995-present
- Chair, Gender Equity Sub Committee, RUAC, 2000-2001.
- Member, Education Committee, Rice University, 2003 – present.
- Member, Recreation Department Committee, 2001 – 2009.
- Member, Nominating Committee of TAHPERD, 2006 – 2009.
- Volunteer, NCAA Men's Regional Basketball Tournament, 2008
- Volunteer, NCAA Men's Regional Basketball Tournament, 2010
- Volunteer, NCAA Men's National Basketball Tournament, 2011
- Board Member, Recycled Baseball Items, 2010 – 2014
- Board Member, Positive Coaching Alliance, 2011 – present
- Chair, Rice University Athletics Committee, 2011 – 2015
- Member, Local Event Board, Joe Niekro Foundation for Brain Aneursym Research, 2012 – present
- Chair, Positive Coaching Alliance, Houston Chapter – 2014 - 2017

Departmental and Professional Service

- Member, Symposium Panel, Graduate Research Methodology, University of Houston, Fall 1973
- Member, Nominating Committee, National Measurement and Evaluation Council, AAHPER 1976
- Statistical Consultant, Master's and Doctoral Theses, University of Houston 1975-present
- Research Reviewer, Southern District Convention, AAHPER, Little Rock Ark., 1978
- Statistical Advisor, Health and Tennis Corporation of America 1974-1984
- Textbook Reviewer, Houghton-Mifflin, 1975
- Secretary, Southern District Research Council, AAHPERD, 1978-79, 1979-80
- Co-Director of Data Collection and Analysis, U.S. Olympic Committee's Tract and Field Camp on Throwing, Houston, August 1978.

- Statistical Consultant, U.S. Olympic Committee on Track and Field, 1978-84
- Secretary, National Measurement and Evaluation Council, AAHPERD, 1979-80
- Director of Data Collection Team, Houston Area, Revision of the AAHPERD Youth Fitness Test, 1979
- Statistical Consultant, Dynamics Health Equipment, Inc. 1979-80.
- Research Advisor, Houston Cardiovascular Rehabilitation Center 1979-1984
- Reviewer, Measurement and Evaluation Column, Journal of Physical Education and Recreation, 1980-1984
- Member of Data Collection Teams, Houston Area, Revision of AAHPERD Basketball Skills Test, 1980
- Chair-Elect, Measurement and Evaluation Council, AAHPERD, 1980-81
- Chair, Measurement and Evaluation Council, AAHPERD, 1981, 1982
- Member, Advisory Committee, Measurement and Evaluation Council AAHPERD 1986-1991
- Chair, Advisory Committee, Measurement and Evaluation Council AAHPERD, 1983-84
- Past Chair, Measurement and Evaluation Council, AAHPERD, 1982-83
- General Reviewer, Journal of Physical Educational and Recreation 1981-present
- Referee, Research Quarterly for Exercise and Sport, 1981-present
- Statistical Consultant, Institute for Storm Research, University of St. Thomas 1980-1986
- Statistical Consultant, National Aeronautics and Space Administration, 1981
- Statistical consultant, U.S. Air Force 1980-81
- Statistical Advisor, Houston Astros 1981
- Secretary, Research Section TAHPER 1981-82
- Tutorial Advisor, Health and Physical Education Department, Rice University 1976-1994
- Head, Search Committee for Instructor, Health and Physical Education Department, Rice University Spring 1979
- Member, Basic Instruction Revision Committee, Health and Physical Education Department, Rice University, 1978-79, 1984-85
- Member, Curriculum Revision Committee, Health and Physical Education Department, Rice University, 1979
- Chair, Recreation Committee, Health and Physical Education Department, Rice University 1979-80 1985-86
- Chair, Professional Development Committee, Health and Physical Education Department, Rice University 1980-82 1984-86
- Member, Program Development Committee, Health and Physical Education Department, Rice University 1980-84
- Chair, Masters Degree Committee, Health and Physical Education Department, Rice University 1981
- Member, Promotion, Tenure and Faculty Review Committee, Health and Physical Education Department, Rice University 1982-present
- Reviewer, National Association for Sport and Physical Education, 1986
- Member, Faculty Search Committee, Health and Physical Education Department, Rice University 1982-83

- Abstract Reviewer, TAHPERD, 1982
- Member, Nominating Committee for Chair-Southern District Research Council 1982
- Member, Ad Hoc Graduate Committee, Health and Physical Education Department, Rice University 1984
- Member, Graduate Faculty, College of Education, University of Houston 1984-1990
- Director, Volleyball Skills Test Revision Committee, AAHPER 1985-1990
- Chair, Nominating Committee, Research Council, Southern District of AAHPERD 1983
- Reviewer, Human Kinetics Publishers, 1985
- Member, Position Statements Review Panel, Research Consortium, AAHPERD 1986-90
- Referee, Medicine and Science for Sport and Exercise, 1994
- Editorial Board, Measurement in Physical Education and Exercise Science, 1996-2018
- Member, Educational Advisory Committee, USA Volleyball, 1997-2001.
- Chair Elect, College and University Administrators Council, TAHPERD, 1999.
- Chair, College and University Administrators Council, TAHPERD, 2000.
- Past Chair, College and University Administrators Council, TAHPERD, 2001.
- Abstract Reviewer, AAHPERD, 1982-2002.
- Abstract Reviewer, Southern District of AAHPERD, 2000.
- Member, College Committee, TAHPERD, 2001-2004.
- Member, Nominating Committee, TAHPERD, 2006-2009.
- Presider, National Conference on the Measurement, University of Illinois, October, 2005.
- Chair Elect, Sport Management Section, TAHPERD, 2009.
- Faculty Representative, Shapiro Award Committee, Fondren Library, Rice University, 2010
- Reviewer, APE Journal
- Member, Sports Leadership Committee, TAHPERD, 2010 - 2012.
- Chair, Sport Management Section, TAHPERD, 2010.
- Past Chair, Sport Management Section, TAHPERD, 2011
- Vice President, College Division, TAHPERD, 2014-16
- Chair, Rice University Athletics Committee, 2011 – 2017
- Member, Rice University Recreation Center Committee, 2012 – present
- Member, Teacher Education Committee, 1995 – 2014
- Director, Sports Analytics Concentration, Sport Management Department, Rice University, 2016 - present
- Associate Editor, TAHPERD Journal, 2020
- Trustee, TAHPERD, 2020 - present

Teaching Experience

A. Basic Instruction

1. Phed 101-102 Survey of physical activities: 1973-81
2. Conditioning 1981-1999
3. Volleyball 1981-1999
4. Soccer 1981-1999
5. Basketball 1981-1999
6. Softball 1981-1999
7. Flag Football 1982-1999

B. Majors Courses

1. Phed 120 Scientific Foundations of Physical Education 1975-81
2. Phed 301 Kinesiology 1974-80
3. Phed 319 Tests and Measurements 1980-1999
4. Phed 324 Officiating Team Sports 1975-1986
5. Phed 431 Coaching Basketball 1979-95
6. Phed 436 Coaching Volleyball 1979-1999
7. Phed 326 First Aid 1974-76
8. Phed 498 Research Techniques in Physical Education 1983
9. Phed 416 Sports Management 1984
10. Phed 432 Coaching Baseball 1985, 1993-1999
11. Phed 350 Coaching Interns 1974-95
12. Phed 334 Teaching Volleyball/Soccer, 1979-95
13. Kine 120 Introduction to Kinesiology, 1999-2012
14. Kine 319 Measurement and Statistics, 2000-2013
15. Kine 440 Research Techniques in Kinesiology, 1999-2008
16. Kine 405 Qualitative Research
17. SMGT 405 Sport Management Research Methods
18. SMGT 260 Introduction to Sport Management
19. SMGT 430 Introduction to Sports Analytics
20. SMGT 415 Theories of High Level Performance
21. SMGT 490 Seminar in Sports Analytics
22. SMGT 440 Sport Business Analytics, 2018

C. College Course:

1. Cognitive Concepts of Physical Fitness (Baker College, 1978)
2. Sabrmetrics: Statistical Analysis of Baseball (Hanszen College with Ben Jedlovec, 2008): faculty advisor
3. Sabrmetrics (Baker College with Evan Stackpole, 2015): faculty advisor

D. Directed Student Research (Phed 495-496)

- Allen, David, “Theories of High Level Performance Applied to Volleyball”, Spring, 1976.
- Freeman, Cathryn, “Statistical Analysis for Physical Educators”, Spring, 1976.
- Boyd, Austin, “The Development and Use of a Computer Program to Analyze Human Motion”, Spring, 1977
- Vala, Tim, “Biomechanical Research and Statistician Techniques for Sports Analysis”, Spring, 1979.
- Vala, Tim “EMG Analysis of Selected Muscle Groups”, Spring, 1980
- Fisher, Scott, “Theories of High Level Performance Applied to Basketball”, Spring, 1980.
- Barnard, Kathy, “Descriptive Profiles of Women Intercollegiate Basketball and Volleyball Players, Fall, 1982.
- Walsh, Patty. “Research in Motor Performance and Psychological Factors Related to Success in Volleyball”, Spring, 1984.
- Merritt, Tony, “Reliability and Validity Considerations in Volleyball Skills Testing, Spring, 1987.
- Thor, Kirk. “Performance Profiles of College Football Players,” Fall, 1993.
- Doyle, Paul. “Measurement Characteristics of Selected Radar Guns, Spring, 1996.
- Taylor, Mark “Factors Effecting Radar Gun Performance, Fall, 1996.
- Milner, Quinton “Descriptive Performance Characteristics of Youth Baseball Players,” Spring, 1998
- Nichols, Jeff “A Pitch by Pitch Analysis Program for Baseball Players,” Fall, 1998.
- Bates, Jeremy. “A Comparative Analysis of the Bat Speeds of Selected College and High School Baseball Players,” Spring, 2001.
- Gavagan, Eimile. “The Reliability of a Device to Measure Braking Response Times in Males and Females,” Spring 2004.
- Chen, T., Mc Kreith, J., Tacker, R, & Hagan M. “Physical Activity Patterns of Undergratuate Students at Rice University.” Presented at the Rice Undergratuate Research Symposium, April, 2006. (Awarded 1st place in the Humanities Division!)
- Grigsby, C., Michel, C. & Wardlow, T. “Houston Area Sports Survey.” Presented at the Rice Undergraduate Research Symposium, April, 2010.

E. Thesis & Dissertation Committees

- Miller, Paul. The Relationship Between Mechanical Components and Performance in Baseball Hitting, M.E.D., University of Houston, 1977.
- Katz, Moshe. A Factor Analysis of Top World Class Decathletes Performances. Ed.D., University of Houston 1978.
- Mahlstedt, Patty. A Comparison of Three Intervention Strategies in Meeting Specific Personal and Parenting Needs of Child-Abusing Parents, Ed.D., University of Houston, 1978.
- Allen, Frank. An Analysis of Selected Variables Which Affect the Career Selection Process in Undergraduate University Students. Ed.D., University of Houston 1979.

- Vlasek, Imogene, Analysis of the Fat-O-Meter Skinfold Caliper for Body Composition Field Testing. M.Ed., University of Houston, 1979.
- Shaw, Vicki. Differences in Two Methods of Training Skinfold Testors. M.Ed., University of Houston, 1984.

F. **Student Competitions**

- Diamond Dollars Case Competition, SABR Analytics Conference, Phoenix, AZ. March, 2015. Evan Stackpole, Justin Wolin, Jeremy Reiskind.
- Inaugural NBA Analytics Hackathon, New York, NY, Sept. 2016. Sergio Santamaria, Jahid Adam, Nick Fleder, & Dillon Chai
- NBA Analytics Hackathon, New York, NY, Sept. 2017. Sergio Santamaria, Jahid Adam, & Nick Fleder,