

David A. Frishe

NCME 1977 Annual  
Meeting • New York  
• April 5th - 7th •



**NATIONAL COUNCIL ON  
MEASUREMENT IN EDUCATION**

**1977  
ANNUAL MEETING  
PROGRAM**

Americana and New York Hilton Hotels  
New York, New York  
April 5-7, 1977

# NATIONAL COUNCIL ON MEASUREMENT IN EDUCATION

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*Journal of Educational Measurement*: Richard Jaeger, University of North Carolina  
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*Measurement in Education*: Paul Redelheim, George Peabody College

## HIGHLIGHTS OF THE NCME ANNUAL MEETING

**Board of Directors' Meetings** — members are invited to attend as observers.

Monday, April 4, 10-5 p.m., Room 507, Hilton

Friday, April 8, 9-11 a.m., Room 507, Hilton

**No-Host Cocktail Party and Reception for Members and Guests**

Tuesday, April 5, 6-8 p.m., Clinton Suite, Hilton

**NCME Annual Breakfast and Business Meeting**

Wednesday, April 6, 8-10 a.m., Versailles Terrace, Americana Hotel

**Symposium: Attacks on Testing: The Issues**

Organized by Task Force on Attacks on Testing

Session 5A, Tuesday, April 5, 8:45-10:15, Murray Hill B, Hilton

**Symposium: Legal Issues in Testing**

Session 6A, Tuesday, April 5, 10:35-12:05, Murray Hill B, Hilton

**Report of the Joint Committee on Guidelines and Standards for Educational Evaluation**

Sessions 8A and 9A, Tuesday, April 5, 2:15-5:35, Murray Hill B, Hilton

**Invited Address by Henry Dyer: Criticisms of Testing: How Mean is the Median?**

Session 14, Wednesday, April 6, 12:25-1:55, Regency Ballroom, Americana

**2 Symposia Organized by Task Force on Competency-Based Testing**

1) Methodologies in Competency-Based Measurement and Reporting

Session 15A, Wednesday, April 6, 2:15-3:45, Regency Ballroom, Americana

2) Test Development Issues in Competency-Based Measurement

Session 16A, Wednesday, April 6, 4:05-5:35, Regency Ballroom, Americana

**Keynote Address by Fred M. Hechinger: Yardsticks for Quality and Equality**

Thursday, April 7, 12:25-1:25, East Ballroom, Hilton

**Workshop: Title I Evaluation Models**

Session 22, Thursday, April 7, 1:00-5:00, Nassau A, Hilton

# PROGRAM SUMMARY

		Tuesday (Hilton)	Wednesday (Americana)	Thursday (Hilton)
8:15	4.01	Ability Tests and Cognitive Processing (S) Div. D (Sutton North) (8:15-10:15)	Annual Breakfast and Business Meeting (8:00-10:00) (Versailles Terrace)	20A Measurement Problems and Concerns in Statewide Minimum Competency Requirements (S) (Murray Hill B)
8:45-10:15	5A Attacks on Testing: The Issues (S) (Murray Hill B)  5B Developing Diagnostic Mathematics Tests for Administration by Microfiche (S) (Nassau A) (8:15-10:15)  5C Evaluation of Instruction (P) (Nassau B)	20B Reporting of Test Results (P) (Nassau A)		
10:35-12:05	6A Legal Issues in Testing (S) (Murray Hill B)  6B Designing Domain-Referenced Tests (P) (Nassau A)  6C Issues in Program Evaluation (P) (Nassau B)  6.03 Applications of National Assessment for School District Program Evaluation and Development (S) Div. H (Gramercy B)	21A Statewide Assessment and Other Testing Problems (S) (Murray Hill B)  21B Test Selection (Nassau A)  21C Research Reports (Nassau B)		
12:25-1:55	7A Measurement Models for the Future (S) (Murray Hill B)  7B Validity and Reliability in Criterion-Referenced Measurement (P) (Nassau A)	13 A Review of Selected Perspectives of a National Professional Organization, or Can NCME Find True Happiness After 40? (S) (Regency Ballroom)  14 Invited Address  Criticisms of Testing: How Mean is the Median?  Henry S. Dyer (Regency Ballroom)	22A Keynote Speaker  Yardsticks for Quality and Equality  Fred M. Hechinger (12:25-1:25) (E. Ballroom)	

12:25 - 1:55	7C Practical Considerations in Test Selection (S) (Nassau B)	22B Title I Evaluation Models Workshop (1:00-5:00) (Nassau A)
7.08	USOE's Title I Evaluation Technical Assistance Efforts (S) Div. H (Trianon Ballroom)	
8A & 9A	Report of the Joint Committee on Guidelines and Standards for Educational Evaluation (S) (Murray Hill B)	<p>15A Methodologies for Competency-Based Measurement and Reporting (S) (Regency Ballroom)</p> <p>15B Sex Bias (P) (Vendome 9 &amp; 10)</p> <p>15C Test Construction (P) (Vendome 11)</p> <p>15.14 Consequence of Educational Testing Div. D (S) (Imperial Ballroom B)</p>
8B	Measurement Issues in Health Professions Education (P) (Nassau A)	
8C	Validation Studies (P) (Nassau B)	
8.11	Adversary Evaluation Model (S) Div. D (East Ballroom)	
9A	Report of the Joint Committee on Guidelines and Standards (S) (Murray Hill B)	24 Large City and County Test Directors' Meeting (Murray Hill B)
9B	Affective Measures (P) (Nassau A)	24.09 Social and Educational Indicators: Tool of the Future or Fallacy of the Past? (S) (Mercury Ballroom)
9C	Multiple Matrix Sampling (P) (Nassau B)	
4:05- 5:35	Cocktail Party (6:00-8:00) (Clinton Suite)	
16A	Test Development Issues in Competency-Based Measurement (S) (Regency Ballroom)	
16B	Considerations in Bilingual and Cross-Cultural Testing (P) (Vendome 9 & 10)	
16C	Credits, Scores and Standards (S) (Vendome 11)	
16.19	Completion of a Measure of English Language Proficiency (S) Div. D (Versailles Terrace)	

# DETAILED PROGRAM

(P) indicates paper session

(S) indicates symposium

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TUESDAY, APRIL 5

Sutton North (Hilton) 8:15-10:15

**SESSION 4.01: ABILITY TESTS AND COGNITIVE PROCESSING: SOME  
NEW APPROACHES TO TEST VALIDITY (S)  
AERA Division D Session**

Moderator: Darwin D. Hendel, University of Minnesota

Participants: David Thissen and Susan Whitely, University of Kansas  
Clifford Lunneborg, University of Washington  
John Carroll and Mary Holden, University of North Carolina  
Robert Sternberg and Bathsheva Rifkin, Yale University

Discussants: Patrick Suppes, Stanford University  
Robert Glaser, University of Pittsburgh

TUESDAY, APRIL 5

Murray Hill B (Hilton) 8:45-10:15

**SESSION 5A: ATTACKS ON TESTING: THE ISSUES (S)**

Organizer: Committee on Attacks on Testing

Moderator: Eric F. Gardner, Syracuse University

*Issues Related to Education Problems*

Robert L. Ebel, Michigan State University

*Issues Related to Administrative Problems*

Herbert Rudman, Michigan State University

*Psychological Issues*

Ellis B. Page, University of Connecticut

*Issues Related to Competence of Users and Interpreters*

Scarvia B. Anderson, Educational Testing Service

*Issues Related to Test Publication*

Thomas Fitzgibbon, Psychological Corporation

Discussant: Eric F. Gardner, Syracuse University

TUESDAY, APRIL 5  
Nassau A (Hilton) 8:45-10:15

**SESSION 5B: DEVELOPING DIAGNOSTIC MATHEMATICS TESTS FOR ADMINISTRATION BY MICROFICHE (S)**

- Organizer: Matthew Sherman, Educational Testing Service
- Participants: Marston Case, Jane Dass, Ann McAloon, and Matthew Sherman, Educational Testing Service
- Discussants: Fannie Handrick, American College Testing Program  
Robert Linn, University of Illinois

TUESDAY, APRIL 5  
Nassau B (Hilton) 8:45-10:15

**SESSION 5C: EVALUATION OF INSTRUCTION (P)**

- Moderator: Alan L. Sockloff, Temple University

*The Development of a Student Observation of Teachers Instrument for Use in High Schools*

James R. Masters and Waldo G. Weaver, Pennsylvania Department of Education

*The Development and Validation of an Omnibus Student Rating Form for Evaluation of Courses and Instructors at a Large University*

Maurice W. Villano, Pennsylvania State University

*Variables Measured by the Instructional Improvement Questionnaire (IIQ): A Factor Analytic Study of Responses for Three Years*

Paula L. Woehlke and Takeshi Ohara, Southern Illinois University-Carbondale

*The Instructor and the Course as Units of Analysis in Student Instructional Ratings*

Gerald M. Gillmore, University of Washington  
Michael T. Kane, National League for Nursing

- Discussants: Gerald C. Helmstadter, Arizona State University  
Robert M. Rippey, University of Connecticut Medical School

TUESDAY, APRIL 5  
Murray Hill B (Hilton) 10:35-12:05

**SESSION 6A: LEGAL ISSUES IN TESTING (S)**  
Cosponsored by AERA's Division D

Moderator: Robert M. Guion, Bowling Green State University

*Educational Research, Test Validity and Court Decisions*  
Winton H. Manning, Educational Testing Service

*The Impact of Test Data on Legal Decisions*  
Ronald Anson, National Institute of Education

Discussant: Robert M. Guion, Bowling Green State University

TUESDAY, APRIL 5  
Nassau A (Hilton) 10:35-12:05

**SESSION 6B: DESIGNING DOMAIN-REFERENCED TESTS (P)**

Moderator: Russell Hunter, Center for Study of Evaluation, UCLA

*Score Reporting and Item Selection in Currently Available  
Domain-Referenced Tests*  
Carolyn H. Denham, California State University, Long Beach

*Creating Domain-Referenced Tests by Computer*  
Jason Millman, Cornell University

*Domain-Referenced Tests to Support Instructional Programs*  
Ralph A. Hanson and George E. Behr, Southwest Regional Laboratory

Discussants: David M. Shoemaker, U.S. Office of Education  
Gordon Ascher, Oregon State Department of Education

TUESDAY, APRIL 5  
Nassau B (Hilton) 10:35-12:05

**SESSION 6C: ISSUES IN PROGRAM EVALUATION (P)**

Moderator: Margaret Fleming, Cleveland Public Schools

*Insensitivity of the Total Test Score for Identifying Achievement Differences Between Groups*

Virginia M. Cahill, Peter W. Airasian, George F. Madaus, and Joseph J. Pedulla, Boston College

*Evaluating Different Measures of Writing Proficiency for Program Evaluation*

Gary D. Estes, Judith I. Anderson, and Martha Davis, Phoenix Union High School System

*Educational and Institutional Effects of Awarding Credit for the CLEP General Examination in Mathematics*

Ronald S. Halinski and Ross E. Vogel, Illinois State University

Discussants: Ross Traub, Ontario Institute for Studies in Education  
Susan W. Sherman, National Academy of Sciences

TUESDAY, APRIL 5  
Gramercy B (Hilton) 10:35-12:05

**SESSION 6.03: APPLICATIONS OF NATIONAL ASSESSMENT FOR SCHOOL DISTRICT PROGRAM EVALUATION AND DEVELOPMENTS (S)**  
**AERA Division H Session**

Organizer and Moderator: Wayne H. Martin, National Assessment of Educational Progress

Participants: Eleanor Franke, Lincoln Public Schools  
Thomas B. McCord, Cheyenne Mountain (CO) Public Schools  
Beatrice Wurtz, Menominee Falls (WI) Public Schools  
Gloria Frazier, National Assessment of Educational Progress

TUESDAY, APRIL 5  
Murray Hill B (Hilton) 12:25-1:55

**SESSION 7A: MEASUREMENT MODELS FOR THE FUTURE: A REVIEW OF LATENT TRAIT MODELS, TECHNICAL DEVELOPMENTS, AND APPLICATIONS (S)**  
Co-sponsored by AERA's Division D

Organizer: Ronald K. Hambleton, University of Massachusetts, Amherst

Moderator: David L. Passmore, National Technical Institute for the Deaf

Participants: Ronald K. Hambleton, Hariharan Swaminathan, Linda Cook, Daniel Eignor and Janice Gifford, University of Massachusetts, Amherst

Discussant: Frederic Lord, Educational Testing Service

TUESDAY, APRIL 5  
Nassau A (Hilton) 12:25-1:55

**SESSION 7B: VALIDITY AND RELIABILITY IN CRITERION-REFERENCED MEASUREMENT (P)**

Moderator: Thomas J. Fitzgibbon, The Psychological Corporation

*Validity Issues in the Development of Criterion-Referenced Tests*

John Engel and Anthony LaDuca, University of Illinois, Center for Educational Development

*An Internal Consistency Estimate for Criterion-Referenced Tests*

Gregg M. Strasler and Peter G. Raeth, University of South Carolina

*A Comparison of Kuder-Richardson Formula 20 and Kappa as Estimates of the Reliability of Criterion-Referenced Tests*

Judith E. Moyer, Michigan Department of Education and Ronald L. Fishbein, U.S. Department of Health, Education and Welfare

Discussants: Kenneth I. Epstein, U.S. Army Research Institute  
E. Belvin Williams, Educational Testing Service

TUESDAY, APRIL 5  
Nassau B (Hilton) 12:25-1:55

**SESSION 7C: PRACTICAL CONSIDERATIONS IN TEST SELECTION (S)**

Organizer: Jules Grosswald, The School District of Philadelphia

Moderator: James E. Ayrer, The School District of Philadelphia

Participants: James E. Ayrer and Jules Grosswald, The School District of Philadelphia  
John J. Fremer, Jr. and Jules Goodison, Educational Testing Service  
Paul Kosiak, Houghton Mifflin Company

Discussant: Robert S. Lankton, Detroit Public Schools

TUESDAY, APRIL 5  
Trianon Ballroom (Hilton) 12:25-1:55

**SESSION 7.08: USOE'S TITLE I EVALUATION TECHNICAL ASSISTANCE EFFORTS (S)  
AERA Division H Session**

Organizer: Ronald L. Fishbein, U.S. Office of Education

Moderator: Judith C. Burnes, U.S. Office of Education

Participants: Janice K. Anderson and Ronald L. Fishbein, U.S. Office of Education  
David L. Donovan, Michigan Department of Education  
Christopher Cross, Legislative Assistant to U.S. Congressman Albert Quie

TUESDAY, April 5  
Murray Hill B (Hilton) 2:15-5:35

**SESSIONS 8A & 9A: REPORT OF THE JOINT COMMITTEE ON  
GUIDELINES AND STANDARDS FOR  
EDUCATIONAL EVALUATION (S)**

Organizer: Daniel L. Stufflebeam, Western Michigan University

Moderator: L. Wendell Rivers, University of Missouri, St. Louis

*Background of the Project to Develop Guidelines and Standards for  
Educational Evaluation*

George F. Madaus, Boston College

*Overview of the Joint Committee's Project*

Daniel L. Stufflebeam, Western Michigan University

*Report of the Joint Committee's First Conference on Evaluation  
Guidelines and Standards*

James R. Sanders, Western Michigan University

*A Methodologist's Perspective on the Need for Educational Evaluation  
Guidelines and Standards*

Loretta Shepard, University of Colorado

*A Teacher Organization's Perspective on the Need for Educational  
Evaluation Guidelines and Standards*

Bernard McKenna, National Education Association

*An Administrator's Perspective on the Need for Educational Evaluation  
Guidelines and Standards*

William J. Ellena, Charlottesville, VA Public Schools

Discussants: Esther E. Diamond, Science Research Associates  
Egon G. Guba, Indiana University

**SESSION 8B: MEASUREMENT ISSUES IN HEALTH PROFESSIONS  
EDUCATION (P)**

Moderator: Philip G. Bashook, Michael Reese School of Health Sciences

*Professional Development of Nurse Clinician-Practitioners as a Function of  
Need Motivation, Learning Style and Locus of Control*

Mark G. Christensen, Carla B. Lee, and Phillip N. Bugg, Wichita State  
University

*The Effect of "Test Wiseness" on Professional School Screening Test  
Scores*

Robert E. Keysor, Adrian P. Van Mondfrans, and David D. Williams,  
Brigham Young University

*A Factor Analytic Study of Branching Patient Management Problems*

Dorthea H. Juul, Michael J. Noe, and Rene L. Nerenberg, University of  
Illinois Medical Center

Discussants: Hulda G. Grobman, St. Louis University  
Ayres G. D'Costa, The Ohio State University

TUESDAY, APRIL 5  
Nassau B (Hilton) 2:15-3:45

**SESSION 8C: VALIDATION STUDIES (P)**

Moderator: Jason Millman, Cornell University

*Teachers and Tests: A Concurrent Validity Study*

Dorothy C. Newman, Patricia B. Campbell, and John H. Neel, Georgia State University

*The Development Consequence Validation of a Teacher Instrument to Assess Competencies of Public School Principals*

Chad D. Ellett, David A. Payne, and Jonelle E. Pool, University of Georgia

*Examination of the Aptitudes Measured by Work Samples in the Micro-TOWER Evaluation System*

Margaret E. Backman, Larry R. Lewis, and David Loeding, ICD Rehabilitation and Research Center

*Validation of a Problem Solving and Creative Thinking Model*

John C. Houtz, Sylvia Rosenfield, and Toby J. Tetenbaum, Fordham University

Discussants: Sandra R. Wilson, American Institutes for Research  
Benjamin D. Wright, University of Chicago

TUESDAY, APRIL 5  
East Ballroom (Hilton) 2:15-3:45

**SESSION 8.11: THE ADVERSARY EVALUATION MODEL: A SECOND LOOK (S)  
AERA Division D Session**

Moderator: Dean H. Nafziger, Northwest Regional Educational Laboratory

Participants: Thomas R. Owens, Michael D. Hiscox, William J. Wright, and Blaine R. Worthen, Northwest Regional Educational Laboratory  
W. James Popham, University of California, Los Angeles

Discussants: Arliss L. Roaden, Tennessee Technological University  
Egon Guba, Indiana University

TUESDAY, APRIL 5  
Nassau A (Hilton) 4:05-5:35

**SESSION 9B: AFFECTIVE MEASURES (P)**

Moderator: Thomas P. Hogan, University of Wisconsin, Green Bay

*Development of an Appropriate Method for Applying the Semantic Differential to the Measurement of Affective Outcomes of Instruction*

Richard W. Davis, University of Minnesota

*A Scale to Assess the Affective Entry Level of Students*

William L. Deaton, John P. Poggio, and Douglas R. Glasnapp,  
University of Kansas

*The Validation of the Affective Reporting System*

Tom Haladyna, Oregon State System of Higher Education

*School Counselors' Appraisal of the Importance of Measurement Competencies—A Comparison with an Appraisal by NCME Experts*

Jules Grosswald, The School District of Philadelphia

Discussants: Nancy S. Cole, University of Pittsburgh  
David A. Payne, University of Georgia

TUESDAY, APRIL 5  
Nassau B (Hilton) 4:05-5:35

**MINISESSION 9C: MULTIPLE MATRIX SAMPLING (P)**

Moderator: George B. Macready, University of Maryland

*A Comparison of Simple Random Sampling Versus Stratification for Allocating Items to Subtests in Multiple Matrix Sampling*

James P. Scheetz, University of Louisville  
Robert Forsyth, University of Iowa

*Administrative and Political Ramifications of Multiple Matrix Sampling for the Practitioner*

Ronald L. Fishbein and David M. Shoemaker, U.S. Office of Education

Discussant: Roger Wellington, Applied Technology Center

TUESDAY, APRIL 5  
Clinton Suite (Hilton) 6:00-8:00

**NCME NO-HOST COCKTAIL PARTY AND RECEPTION FOR MEMBERS  
AND GUESTS**

WEDNESDAY, APRIL 6  
Versailles Terrace (Americana) 8:00-10:00

**SESSION 12: ANNUAL BREAKFAST AND BUSINESS MEETING**

*A Curious Rationale – On Naming Your Measurement Studies*  
Talk by Joan Bollenbacher, NCME President

WEDNESDAY, APRIL 6  
Regency Ballroom (Americana) 10:35-12:05

**SESSION 13: A REVIEW OF SELECTED PERSPECTIVES OF A NATIONAL PROFESSIONAL ORGANIZATION, OR, CAN NCME FIND TRUE HAPPINESS AFTER 40? (S)**

Organizers: Frank P. Stetz and Michael Beck, The Psychological Corporation

Moderator: Frank P. Stetz, The Psychological Corporation

Participants: Irvin J. Lehmann, Michigan State University  
Michael Beck and Frank P. Stetz, The Psychological Corporation  
Annie W. Ward, University of South Florida  
Robert F. McMorris, State University of New York at Albany  
and David A. Payne, University of Georgia

Discussant: Robert L. Ebel, Michigan State University

WEDNESDAY, APRIL 6  
Regency Ballroom (Americana) 12:25-1:55

**SESSION 14: INVITED ADDRESS**

Moderator: Joan Bollenbacher, Cincinnati Public Schools

Speaker: Henry S. Dyer, Retired, Educational Testing Service  
*Criticisms of Testing: How Mean is the Median?*

WEDNESDAY, APRIL 6  
Regency Ballroom (Americana) 2:15-3:45

**SESSION 15A: METHODOLOGIES IN COMPETENCY-BASED MEASUREMENT AND REPORTING (S)**

Organizer: Task Force on Competency-Based Testing

Moderator: Mary Anne Bunda, Western Michigan University

*Alternative Reliability Indices*

Judith Moyer, Michigan Department of Education

*Some Vexing Validity Questions*

Robert Linn, University of Illinois at Urbana-Champaign

*Alternative Methods of Assessing Pupil Progress*

Richard C. Benjamin, Lansing School District

*Target Reports for Special Groups and Special Tests*

Loretta Shepard, University of Colorado, Boulder

Discussants: Richard Jaeger, University of North Carolina-Greensboro and  
University of South Florida  
William Webster, Dallas Independent School District

WEDNESDAY, APRIL 6  
Vendome 9 & 10 (Americana) 2:15-3:45

**SESSION 15B: SEX BIAS (P)**

Moderator: David J. Kleinke, Syracuse University

*Sex Biased Mathematics Items and Performance of Elementary Students*

Barbara H. Mowder, State University of New York-Albany and Clinton  
I. Chase, Indiana University

*Sex Differences in Mathematics: An Investigation of Sex-Differentiated Attitudes Toward and Achievement in Mathematics*

Claudia Merkel-Keller, Educational Improvement Center of Northwest  
New Jersey

*Test Speededness as a Factor in Sex Differences*

Kathleen Kappy, Fordham University and Thomas F. Donlon,  
Educational Testing Service

Discussants: D. Ross Green, California Test Bureau/McGraw Hill  
Carol K. Tittle, Center for Advanced Study, City  
University of New York

WEDNESDAY, APRIL 6  
Vendome 11 (Americana) 2:15-3:45

**SESSION 15C: TEST CONSTRUCTION (P)**

Moderator: James Bobula, Duke University Medical School

*An Empirical Method for Developing a Short Version of a Test*

Robert E. Lockwood, James R. Jackson, and James E. McLean,  
University of Alabama

*Predictive Validity of Short-Form Placement Tests Under Two Scoring Systems*

Kay K. Hisama, Michael L. Bartlett, and Dennis W. Leitner, Southern  
Illinois University

*The Effects of Item Content and Item Difficulty on Perception of Difficulty and Perception of Relevance*

Percy D. Peckham and Jeanne Wintz, University of Washington

Discussants: Thomas F. Donlon, Educational Testing Service  
Robert L. Ebel, Michigan State University

WEDNESDAY, APRIL 6  
Imperial Ballroom B (Americana) 2:15-3:45

**SESSION 15.14: THE CONSEQUENCE OF EDUCATIONAL TESTING: A SOCIETAL EXPERIMENT IN IRELAND (S)  
AERA Division D Session**

Moderator: Roger Lennon, Psychological Corporation

Participant: Thomas Kellaghan, St. Patrick's College, Dublin

Discussants: Peter W. Airasian and George F. Madaus, Boston College  
David A. Goslin, National Academy of Sciences  
Roger Lennon, Psychological Corporation  
Frédéric A. Mosher, Carnegie Corporation of New York  
Andrew Porter, Michigan State University

WEDNESDAY, APRIL 6  
Regency Ballroom (Americana) 4:05-5:35

**SESSION 16A: TEST DEVELOPMENT ISSUES IN COMPETENCY-BASED MEASUREMENT (S)**

Organizer: Task Force on Competency-Based Testing

Moderator: James R. Sanders, Western Michigan University

*Setting Standards*

David Bayless and Larry Conaway, Research Triangle Institute

*Determining Content and Constructing Items*

Reese Parker, Western Michigan University

*Rationalizing Competency-Based Measurement*

Joe M. Steele, Mars Hill College

Discussants: Bruce Tuckman, Rutgers University  
Paul Pottinger, Institute of Competency Assessment

WEDNESDAY, APRIL 6  
Vendome 9 & 10 (Americana) 4:05-5:35

**SESSION 16B: CONSIDERATIONS IN BILINGUAL AND CROSS-CULTURAL TESTING (P)**

Moderator: Leo A. Munday, Houghton Mifflin Company

*Should José Be Tested in Spanish?*

Roy E. Hardy, Educational Testing Service

*The Development of a Spanish Version of the Peabody Picture Vocabulary Test for Use with New York City's Puerto Rican Population*

Alan J. Simon, Florence D. Wiener, Judy Minton, and Frank Weiss, Marymount Manhattan College

*A Factor Analytic Study of Children's Self-Concept in Three Ethnic Groups*

Maria M. Llabre, William B. Ware, and John M. Newell, University of Florida

*Cross-Cultural Validity of the Minnesota Teacher Aptitude Inventory (MTAI)*

John A. Bell, University of Houston

Discussants: James L. Angel, Association of American Medical Colleges  
Anthony Polemeni, New York City Schools

WEDNESDAY, APRIL 6  
Vendome 11 (Americana) 4:05-6:05

**SESSION 16C: CREDITS, SCORES AND STANDARDS: NEW APPLICATIONS FOR THE SECONDARY DIPLOMA (S)**

Organizer: Carol A. Dwyer, Educational Testing Service

Participants: John Fremer, Educational Testing Service  
Ruth Nickse, Educational Testing Service  
Richard L. Stiles, California State Department of Education  
Brian T. Scott, Bermuda Department of Education

Discussant: Jerry Miller, American Council on Education

WEDNESDAY, APRIL 6  
Versailles Terrace (Americana) 4:05-6:05

**SESSION 16.19: FROM LEGISLATION TO APPLIED RESEARCH: COMPLETION OF A MEASURE OF ENGLISH LANGUAGE PROFICIENCY (S)  
AERA Division D Session**

Moderator: J. Michael O'Malley, National Institute of Education

Participants: Leslie Silverman, National Center for Educational Statistics  
Burton Fisher, University of Wisconsin  
Walter Stolz, National Institutes of Health

Discussants: John B. Carroll, University of North Carolina  
Edward DeAvilla, BCTV, California  
Mark Schneider, Office of Senator Edward Kennedy

THURSDAY, APRIL 7  
Murray Hill B (Hilton) 8:45-10:15

**SESSION 20A: MEASUREMENT PROBLEMS AND CONCERNS IN STATEWIDE MINIMUM COMPETENCY REQUIREMENTS (S)**

- Organizer: William J. Mathis, New Jersey State Department of Education
- Moderator: Robert S. Blaustein, New Jersey State Department of Education
- Participants: Gordon Ascher, Oregon State Department of Education  
Dale Carlson, California Department of Education  
Richard Kohr, Pennsylvania State Department of Education  
William J. Mathis, New Jersey State Department of Education
- Discussant: Irvin Lehmann, Michigan State University

THURSDAY, APRIL 7  
Nassau A (Hilton) 8:45-10:15

**SESSION 20B: REPORTING OF TEST RESULTS (P)**

- Moderator: Marjorie M. Mastie, Washtenaw Intermediate School District, Ann Arbor

*The Comparability of Equal Raw Scores for Children at Different Grade Levels: An Issue in "Out-of-Level" Testing*

Barbara S. Plake, The American College Testing Program  
H.D. Hoover, The University of Iowa

*A Comparison of Student Grades as a Function of the Raw Score, True Score, Adjusted Raw Score, and Universe Score for Randomly Parallel Tests*

Monte F. Shelley, Edward W. Schneider, and Adrian P. Van Mondfrans,  
Brigham Young University

*A Self Interpreting Test Reporting and Analysis System*

John C. Green and Albert C. Oosterhof, Florida State University

*A Comparative Study of Faculty and Student Attitudes Toward a Variety of College Grading Purposes and Practices*

Ronald K. Hambleton, University of Massachusetts, Amherst  
John Murray, Boston State College

- Discussants: Warren G. Findley, University of Alabama in Birmingham  
William A. Mehrens, Michigan State University

THURSDAY, APRIL 7  
Murray Hill B (Hilton) 10:35-12:05

**SESSION 21A: STATEWIDE ASSESSMENT AND OTHER TESTING PROBLEMS (S)**

Organizer and

Moderator: Beverly L. Anderson, Northwest Regional Educational Laboratory

Participants: Beverly L. Anderson, Dean H. Nafziger and William J. Wright, Northwest Regional Educational Laboratory  
Ernest Polley, Alaska State Department of Education

Discussants: Dale Carlson, California State Department of Education  
Loretta Shepard, University of Colorado

THURSDAY, APRIL 7  
Nassau A (Hilton) 10:35-12:05

**MINISESSION 21B: TEST SELECTION**

Moderator: Esther E. Diamond, Science Research Associates

*Structural Components Revealed by Evaluating the Quality of Elementary School Tests*

Joseph M. Petrosko, University of Louisville

Esther Shani, University of Southern California

*Data Reflecting on the Selection of Screening Batteries for Sensory Modality Learning Styles and Difficulties*

Lester Mann, Barton B. Proger, Libby Goodman, Montgomery County Schools, Norristown, PA.

Discussant: Paul F. Brown, Indianapolis Public Schools

THURSDAY, APRIL 7  
Nassau B (Hilton) 10:35-12:05

**MINISESSION 21C: RESEARCH REPORTS**

Moderator: Harold Levine, University of Texas Medical School at Galveston

*A Citation Study of the Journal of Educational Measurement: A Five-Year Analysis*

William M. Stallings and Maureen Lamb, Georgia State University

*Development of a Research Checklist: Techniques for Assessing Methodological Quality in Research*

William E. Loadman, Ohio State University

Discussant: Peter W. Airasian, Boston College

THURSDAY, APRIL 7  
East Ballroom (Hilton) 12:25-1:25

**SESSION 22A: KEYNOTE SPEAKER**

Moderator: Mary A. Fruen, Association of American Medical Colleges

Speaker: Fred M. Hechinger, New York Times  
*Yardsticks for Quality and Equality*

THURSDAY, APRIL 7  
Nassau A (Hilton) 1:00-5:00

**SESSION 22B: (WORKSHOP): Title I Evaluation Models—Computer Program**

Participants: Robert Stonehill, U.S. Office of Education  
Alice Chiang and Alex Cannara, RMC Research Corporation

THURSDAY, APRIL 7  
Murray Hill B (Hilton) 4:05-5:35

**SESSION 24: LARGE CITY AND COUNTY TEST DIRECTORS' MEETING**

THURSDAY, APRIL 7  
Mercury Ballroom (Hilton) 4:05-5:35

**SESSION 24.09: SOCIAL AND EDUCATIONAL INDICATORS: TOOL OF  
THE FUTURE OR FALLACY OF THE PAST? (S)  
AERA Division D Session**

Moderator: Mary J. Hall, Oregon State Department of Education

Participants: Roberta Balstad Miller, Social Science Research Council  
Theodore Blau, American Psychological Association  
James C. Impara, Virginia Polytechnic Institute  
Richard M. Jaeger, University of North Carolina at Greensboro

Discussant: Mary J. Hall, Oregon State Department of Education

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