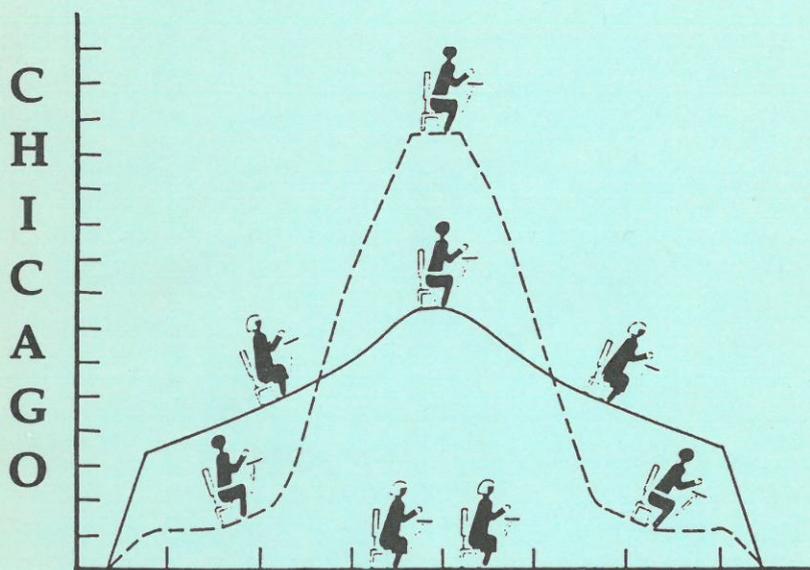


NCME



ANNUAL MEETING PROGRAM
APRIL 1-3, 1985

**National Council on
Measurement in Education**

**1985
ANNUAL MEETING
PROGRAM**

**Palmer House Hotel
Chicago, Illinois
April 1-3, 1985**

NATIONAL COUNCIL ON MEASUREMENT IN EDUCATION

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<i>Educational Measurement: Issues and Practice</i>	Frank Womer University of Michigan

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ACE
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Service District

Papers for ERIC/TM may be
dropped off at the ERIC booth
in the Exhibit Area

NCME PRESESSIONS

Admission to these two presessions is strictly limited to ticket holders. Tickets are available in advance by writing NCME, 1230 Seventeenth St., N.W., Washington, DC 20036. **Please enclose a stamped self-addressed envelope with payment.** The deadline for ordering tickets is March 8, 1985. Tickets may be available on a first-come, first-serve basis at the Registration Area at the Palmer House Hotel.

SUNDAY

Course A Sunday, March 31, 8:30-3:30 **FEE: \$30**

SETTING DEFENSIBLE PASSING SCORES

Stephen Koffler, New Jersey Department of Education
Craig Mills, Louisiana Department of Education

Course B Sunday, March 31, 9:00-12:00 **FEE: \$15**

TEST SCORE EQUATING METHODS

R. Robert Rentz, R&R Evaluations, Inc.

Sunday 4:00-7:00

Burnham 1

NCME BOARD OF DIRECTORS MEETING

Members are invited to attend as observers

MONDAY

Monday 8:15-10:15

Parlor H

A1 CONCERNS, PROBLEMS, AND ISSUES RELATED TO EVALUATION AND MEASUREMENT IN THE SCHOOLS

(Invited Symposium)

Chair: Richard C. Wallace
Pittsburgh Public Schools

Participants:

Sally Dias, Lynnfield (MA) Public Schools
Walter Hathaway, Portland (OR) Public Schools
Ronald Larkin, New Brunswick (NJ) Public Schools
Paul LeMahieu, Pittsburgh Public Schools
Richard Wallace, Pittsburgh Public Schools

Monday 8:15-10:15

Clark 10

A2 ITEM RESPONSE THEORY AND LATENT STRUCTURE MODELS

(Paper Session)

Chair: Richard Shavelson
University of California Los Angeles

Papers:

A New Method for Developing a Common Metric in Item Response Theory, D.R. Divgi, Syracuse University

Detecting Multidimensionality Using a Test for Local Independence, Robert L. McKinley, University of Toledo; Craig N. Mills, Educational Testing Service

A Comparison of Item Response Theory Procedures for Assessing Response Dimensionality, G. Gage Kingsbury, Portland Public Schools

A Comparison of Item and Ability Parameter Estimates Derived from LOGIST and BILOG, Audrey Qualls, Timothy Ansley, The University of Iowa

A Comparison of Latent Structure Models for Reading Comprehension Items, Edward H. Haertel, Stanford University

Discussants: Daniel Eignor, Educational Testing Service
Ross Traub, OISE

Monday 8:15-10:15

Grand Ballroom

A3 ISSUES IN THE DEVELOPMENT OF A LARGE SCALE ASSESSMENT OF CRITICAL THINKING SKILLS

(Symposium, co-sponsor: AERA SIG State Education Agencies: #11.01)

Chair: Milton Goldberg
U.S. Department of Education

Presenters:

A Logical Approach to Measuring Critical Thinking Skills: A Philosopher's View, Robert Ennis, University of Illinois

A Triarchic Approach to Measuring Critical Thinking Skills: A Psychologist's View, Joan Boykoff Baron, Connecticut SEA

Designing Instructionally Relevant Assessments of Critical Thinking Skills, Edys Quellmalz, Stanford University

Testing in the Real World: Political Dynamics, Pat Forgione, Lorraine Aronson, Connecticut SEA

Discussants: Joan Bransford, Vanderbilt University
Robert Glaser, University of Pittsburgh

Monday 8:15-10:15

Dearborn 2

A4 SEX BIAS IN TESTS

(Symposium, co-sponsor: AERA SIG Research on Women and Education: #11.24)

Chair: Phyllis Teitelbaum
Educational Testing Service

Participants:

An Assessment of Sex Bias in Seventy-Four Psychological and Educational Tests, Paula Selkow, Somerset, New Jersey

Content, Context, and Construct Considerations in Sex Bias in Testing
Esther Diamond, Evanston, Illinois

"Debiasing" Standardized Tests: A Case Study, Cynthia Schmeiser,
American College Testing Program

A Systematic Procedure Aimed Toward Sex Fair Testing, Janice Dowd
Scheuneman, Educational Testing Service

Discussant: Jane Close Conoley, University of Nebraska-Lincoln

Monday 10:35-12:05

Parlor H

B1 ASSESSING THE CLASSROOM TEACHER—FROM CERTIFICATION TESTING TO CONTINUOUS EVALUATION

(Invited Symposium)

Chair: Norman Goldman
New Jersey Education Association

Participants:

Bernard K. Gifford, University of California-Berkeley
Norman Goldman, New Jersey Education Association
Catherine Havrilesky, Education Testing Service
Bernard H. McKenna, National Educational Association

Monday 10:35-12:05

Clark 10

B2 ISSUES IN MEASURING BASIC SKILL AREAS

(Paper Session)

Chair: Peter W. Airasian
Boston College

Papers:

Assessing Partial Knowledge in Vocabulary, Richard M. Smith,
Johnson O'Connor Research Foundation

*The Structure Underlying the Direct Assessment of Writing: A
Multidimensional Scaling of Analytic and Holistic Ratings*, Joel
Cadwell, Rutgers University; Jeffrey Jenkins, New Jersey State
Department of Education

Relationships Between Direct and Indirect Measures of Writing Ability,
Sybil B. Carlson, Roberta Camp, Educational Testing Service

*Reading Ability, Comprehension, and Test Validity: Effects of Three Pro-
cedures for Administering Test Items*, JoEllen V. Perez, Susan P.
Homan, University of South Florida

Discussant: Richard Stiggins, NWREL

Monday 10:35-12:05

Clark 1

B3 ATTITUDE ASSESSMENT

(Paper Session)

Chair: Laurence Rudolph

Virginia Polytechnic Institute and State University

Papers:

An Investigation of Multiple Matrix Sampling for Attitude Data Analysis, Clarice P. Gressard, Brenda H. Loyd, University of Virginia

Proximity Effects Among Rating Scale Items, Mary J. Reece, Longmeadow, MA, Steven V. Owen, University of Connecticut

Teachers' Attitudes Toward Testing, Kathy E. Green, Susan F. Stager, University of Wyoming

Discussants: Robert Gable, University of Connecticut

Bruce Rogers, University of Northern Iowa

Monday 10:35-12:05

Dearborn 3

B4 DETECTION OF ITEM BIAS USING IRT PROCEDURES

(Critique, co-sponsor: AERA Division D: #14.21)

Chair: Mark D. Reckase

ACT

Participants:

A Cross-Validation Method of Item Bias Detection Using the Three Parameter Logistic Model. Linda T. Curran, University of Texas

Understanding Differential Item Performance as a Consequence of Gender Differences in Academic Background, Allen E. Doolittle, ACT

Evaluation of the Plot-Method for Identifying Biased Test Items, Ronald K. Hambleton, Jane Rogers, University of Massachusetts-Amherst

On Comparing Item-Characteristic Curve Parameters Across Groups.

David Kaplan, Bengt Muthen, University of California-Los Angeles

Critic: Loretta Shepard, University of Colorado

Monday 12:25-1:55

Parlor H

C1 THE DEVELOPMENT OF FLORIDA SUBJECT AREA EXAMINATIONS

(Symposium)

Moderator: Annie W. Ward
Ward Educational Consulting

Participants:

Issues Associated with Merit Pay, Carolyn Lavelly, John Follman, University of South Florida

Content Area—Task Force Approach, Donna Bullock, University of South Florida

Validation—Area Team Approach, Hugh Peck, University of South Florida

Projection of Future Developments Associated with the Florida Content Area Teacher Knowledge Testing, Ruth Hall, University of South Florida

Discussant: William Mehrens, Michigan State University

Monday 12:25-1:55

Clark 1

C2 ITEM RESPONSE THEORY (Paper Session)

Chair: Thomas Guskey
University of Kentucky

Papers:

Distributional Projections: An Application of the Rasch Model, Gary Phillips, Maryland State Department of Education; Huynh Huynh, University of South Carolina

Item Response Theory Based Life Skills Reading Tests: Their Unidimensionality and the Temporal Stability of Item Difficulty Estimates, John S. Martois, Los Angeles County Office of Education; Richard L. Stiles, California State Department of Education

Designing Tests Under Item Response Theory, Frank B. Baker, University of Wisconsin-Madison

Discussant: Joseph Ryan, University of South Carolina

Monday 12:25-1:55

Clark 10

C3 ASSESSING TEACHER COMPETENCY (Paper Session)

Chair: Paula M. Nassif
National Evaluation Systems, Inc.

Papers:

Survey of State Teacher Competency Programs, Irvin J. Lehmann,
S.E. Phillips, Michigan State University

Job Analysis Procedures in Validating Teacher Proficiency Tests, Ronald
G. Frankiewicz, University of Houston; Terri Stein, Houston
Independent School District

Validity of the Alabama Initial Teacher Certification Test, Landa L.
Trentham, William Lauderdale, William Deaton, Denise Hannan,
Auburn University

Using Multiple Data Sources in Teacher Evaluation, Joyce McLarty,
Brentwood, TN; Carol Furtwengler, George Malo, Tennessee
State Department of Education

Discussant: Carolyn Denham, California State University-Long Beach

Monday 2:15-3:45

Clark 10

D1 MEASUREMENT ISSUES IN DEVELOPING A TEST TO ASSESS THE ENGLISH-LANGUAGE PROFICIENCY OF LIMITED-ENGLISH-PROFICIENT STUDENTS (Symposium)

Moderator: William M. Weichun
New York City Board of Education

Participants:

*Theoretical Considerations in the Measurement of the English Language
Proficiency of Limited-English-Proficient Students*, Muriel M. Abbott,
New York City Board of Education

*Issues in the Placement of Limited-English-Proficient Students and in
Evaluation of Their Instructional Programs*, Gerald DeMauro,
Kingsborough College

*Psychometric Issues Relevant to Selecting Items and Assembling Parallel
Forms of Language-Proficiency Instruments*, Michael L. O'Brien,
Teachers College, Columbia University

Discussant: Ruddle Irizarry, San Francisco Foundation

Monday 2:15-3:45

Clark 1

D2 STANDARD SETTING

(Paper Session)

Chair: Stephen Ivens
The College Board

Papers:

The Effect of Examinee Performance Information on the Level of Passing Score Set by Expert Judges, Joseph C. Saunders, Dan L. Linton, C. Lewie Hartley, South Carolina Department of Education

Establishing Upper Limits for Item Ratings for the Angoff Method: Are Resulting Standards More 'Realistic'? Jerry B. Reid, The American Registry of Radiologic Technologists

A Consumers' Guide to Setting Performance Standards on Criterion-Referenced Tests, Ronald A. Berk, The Johns Hopkins University

Discussants: William Angoff, Educational Testing Service
James Impara, Virginia Polytechnic Institute

Monday 2:15-3:45

Parlor H

D3 COMPUTERIZED ASSESSMENT FOR THE IMPROVEMENT OF INSTRUCTION

(Invited Symposium)

Chair: Walt Haney
Boston College

Presenters:

Computerized Assessment of Writing for Instructional Improvement, Joseph Foley, Southeastern Massachusetts University

Assessment Capabilities of Commonly Used Authoring Languages, Walt Haney, Boston College

Testing as a Part of Courseware, Patricia Murphy, Mantech International

Developing Computerized Assessment for Young Children, Martha Bronson, Research Psychologist, Cambridge, MA

Discussant: Jason Millman, Cornell University

Monday 2:15-3:45

Dining Room 7

D4 APPLICATIONS AND EVALUATIONS OF IRT EQUATING (Paper Session, co-sponsor: AERA Division D: #18.15)

Chair: Tse-chi Hsu
University of Pittsburgh

Participants:

Scale Stability During Test Equating for Item Banking, David O. Anderson, University of Arizona

Pre-Equating Criterion-Referenced Examinations, A Feasibility Study, Gerald J. Melican, Martha Stocking, Marilyn Wingersky, Educational Testing Service

A Comparison of SPE and IRT Equating Results Obtained from Verbal and Quantitative Aptitude Test Data, Linda L. Leary, Lawrence E. Wightman, Educational Testing Service

A Monte Carlo Simulation for Evaluating Item Response Theory Equating, Michelle Liou, Lloyd Bond, Learning Research and Development Center

Critic: Daniel Eignor, Educational Testing Service

Monday 4:05-6:05

Clark 10

E1 ISSUES AND PROBLEMS IN LARGE CITY AND COUNTY SCHOOLS (Symposium)

Moderator: Peter Wolmut
Multnomah (OR) Education Service District

Participants:

Determining Effectiveness via Tests, Colleen R. Goodwin, Phoenix Union High School District

Item Banking—Part II, William Myers, Broward County Schools
Reporting Results to the Public, Carole Perlman, Chicago Public Schools

Standardized Tests and the Handicapped, Ellen Pechman, New Orleans Public Schools

Validity of National Norms, Part II, Roger F. Baglin, Rochester, NY City School District

Discussants: Paul F. Brown, Indianapolis Public Schools
Paul Mazza, Baltimore County Public Schools

Monday 4:05-6:05

Parlor H

E2 STANDARDIZED TEST AUTHORS AND DEVELOPERS LOOK AT TEST USE: HOW GOOD? RESPONSIBLE? ETHICAL? (Invited Symposium)

Chair: Herbert C. Rudman
Michigan State University

Presenters:

Michael H. Kean, CTB/McGraw-Hill
H.D. Hoover, University of Iowa
Thomas P. Hogan, University of Wisconsin-Green Bay
Eric F. Gardner, Syracuse University
Burton W. Faldet, Science Research Associates, Inc.
Gerry Ann Bogatz, Educational Testing Service

Monday 4:05-6:05

Clark 1

E3 TEST ITEM ISSUES (Paper Session)

Chair: Virginia Cahill
Boston Public Schools

Papers:

A Review of Research on Multiple-Choice Item Option Weighting, Thomas M. Haladyna, The American College Testing Program
A Comparison of Alternate-Choice and True-False Item Forms Used in Classroom Testing, Nancy Maihoff, The American College Testing Program; William Mehrens, Michigan State University
Applying an Expert System to Determine Optimum Question Sequence in An Adaptive Diagnostic Test, Spencer S. Swinton, Educational Testing Service
Test Item Selection Based on Statistics from Administrations to a Surrogate Population, William Ward, The University of the State of New York
Designing an Item Bank: Practical Guidance from a Database Management Approach, John J. Bowers, The American College Testing Program

Discussants: Gary Estes, NWREL
Samuel T. Mayo, Loyola University of Chicago

Monday 4:05-6:05

Parlor F

E4 COMPUTERIZED ADAPTIVE TESTING AND COGNITIVE DIAGNOSIS OF ERRORS: A MODEL AND APPLICATIONS
(Symposium, co-sponsor: AERA Division D: #20.09)

Chair: John C. Ory
University of Illinois

Participants:

A Model for Diagnosing and Classifying Cognitive Errors: CAT Misconception Analysis, Kikumi K. Tatsuoka, University of Illinois

An Application of CAT Misconception Analysis in Fraction Addition, Maurice M. Tatsuoka, Robert Baillie, University of Illinois

Application of CAT Misconception Analysis in Mathematics Placement and Proficiency Decisions, Paul W. Maybery, John C. Ory, University of Illinois

CAT Misconception Analysis: Modifications and Conclusions, Kentaro Yamamoto, Kikumi K. Tatsuoka, University of Illinois

Discussants: Charles Davis, Office of Naval Research
Mark Reckase, ACT

Monday 4:05-6:05

Dearborn 1

E5 NEW DIAGNOSTIC/INSTRUCTIONAL LINKS IN READING AND WRITING
(Symposium, co-sponsor: AERA Division E: #20.25)

Chair: Brent Bridgeman
Educational Testing Service

Participants:

A Problem-Solving Approach; Susan Thomas, Florida State University; Kalle Gerritz, Educational Testing Service

Instructional Responses to Diagnostic Tests, Marianne Reynolds, Mercer County Community College

Innovative Item Development in Reading Comprehension, Kalle Gerritz, Educational Testing Service; Susan Thomas, Florida State University

Writing as Decision Making, Doug Fiero, Educational Testing Service

Discussants: Jeanne Chall, Harvard University
John Chaffee, LaGuardia Community College

Monday 6:45-8:30

Montrose 1

F1 NO-HOST COCKTAIL PARTY AND RECEPTION

TUESDAY

Tuesday 8:00-9:00

Wabash

G1 NCME ANNUAL BREAKFAST

8:00-8:15 Coffee

8:15-9:00 Breakfast

Tuesday 9:00-10:15

Wabash

G2 NCME PRESIDENTIAL ADDRESS AND BUSINESS MEETING

George F. Madaus, President

Tuesday 10:35-12:05

Parlor H

H1 NCME INVITED ADDRESS

Moderator: Joseph J. Pedulla
Boston College

Speaker: Ralph W. Tyler
System Development Foundation

*Educational Measurement: Where We Have Been, Where We Are Now,
and Possible Future Directions.*

Tuesday 12:25-1:55

Clark 10

I1 EVALUATING ACHIEVEMENT OUTCOMES: THE CASE ON BEHALF OF CRITERION-REFERENCED MINIMUM COMPETENCY TESTING (Symposium)

Moderator: John C. Ory
University of Illinois-Urbana

Participants:

Expected Psychometric Differences, Douglas R. Glasnapp, University of Kansas

Lower Contamination of Scores as a Function of a Background Characteristics, M. David Miller, University of Kansas

Relationship with Other Measures of Achievement, Judith Burry, University of Kansas

School and Instructional Impact, John P. Poggio, University of Kansas

Discussants: William E. Coffman, University of Iowa
William H. Schmidt, Michigan State University

Tuesday 12:25-1:55

Parlor H

I2 QUALITY ASSURANCE IN TEST DEVELOPMENT AND USE (Invited Symposium)

Moderator: John Fremer
The Psychological Corporation

Participants:

Role of the Joint Technical Standards in Promoting High Quality Test Development and Use, Robert L. Linn, University of Illinois at Urbana-Champaign

Development and Operation of a Voluntary Audit Program, Jerome R. Murphy, Educational Testing Service

Appropriate Quality Assurance Roles for Professional Associations, John Fremer, The Psychological Corporation

Discussant: Howard Stoker, University of Tennessee

Tuesday 12:25-1:55

Dining Room 8

I3 FACTORS AFFECTING ITEM RESPONSE THEORY-EQUATING PROCEDURES

(Paper Session, co-sponsor: AERA Division D: #30.12)

Chair: Daniel Eignor
Educational Testing Service

Participants:

Effect of Examinee Group of Equating Relationships, Deborah J. Harris, Michael J. Kolen, ACT

Item Response Theory Equating of Aptitude Tests: A Partial Precalibration Design, Linda L. Cook, Neil J. Dorans, Fredrick J. McHale, Nancy L. Peterson, Educational Testing Service

An Exploration of the Robustness of Four Test-Equating Models, Gary Skaggs, Robert W. Lissitz, University of Maryland

IRT Pre-Equating: What Went Wrong? Daniel R. Eignor, Martha L. Stocking, Educational Testing Service

Tan Equivalence of Vertical Equatings Using IRT and Equipercentile Procedures, Wendy M. Yen, CTB/McGraw-Hill

Critic: Nambury Raju, Illinois Institute of Technology

Tuesday 12:25-1:55

Clark 1

I4 EVALUATION OF INSTRUCTIONAL STRATEGIES

(Paper Session)

Chair: Judith Shoemaker
University of California-Irvine

Papers:

The Effectiveness of A Program to Increase SAT Scores of Black Students in Three Cities, Sylvia T. Johnson, Charles A. Asbury, Sheila Robinson, Michael B. Wallace, Janice Vaughn, Howard University

A Feasibility Study of Compensatory and Noncompensatory Models Within a Mathematics Problem-Solving Framework, Timothy N. Ansley, Robert A. Forsyth, The University of Iowa

A Multi-Method Assessment of Factors Associated with Success and Lack of Success in Chapter 1 Classrooms, Nancy A. Hepler, J.T. Stewart, Educational Testing Service

Classroom Activity Structures and the Generalizability of Teacher Behavior, Lorin W. Anderson, Garrett K. Mandeville, University of South Carolina

Discussant: Gilbert Austin, University of Maryland-Baltimore County

Tuesday 2:15-3:45

Clark 10

J1 SCHOOL DISTRICT TESTING

(Paper Session)

Chair: Carol Robinson
Albuquerque Public Schools

Papers:

Analyzing and Reporting School District Standardized Test Results, Gary Echternacht, Educational Testing Service

A Procedure for Implementing Detailed Grade Level Analysis by Local Curriculum Objectives Utilizing Standardized Instruments of Measure: A Comprehensive Case Study, Charles R. DuVall, Indiana University at South Bend; Joseph A. Rueff, Elkhart Community Schools

District to System Level Performance Comparisons: Observations and Proposals, Larry H. Ludlow, Ru-ing Hwang, Boston College

Higher Test Scores: Educational Improvement or Content Manipulation, Paul LeMahieu, Pittsburgh Board of Education; Gaea Leinhardt, University of Pittsburgh

Discussant: Dean Nafziger, San Diego City Schools

Tuesday 2:15-3:45

Clark 1

J2 BIAS IN TESTING

(Paper Session)

Chair: John Hills
Florida State University

Papers:

Effects on Item Arrangement and Sex of the Subject on Test Performance: In Search of an Explanation of Differential Test Performance by Males and Females on Easy-to-Hard Item Arrangements, Barbara S. Plake, Charles J. Ansoerge, Sherral Miller, University of Nebraska

An Investigation of Gender-Related Test Bias for the Medical College Admission Test, Robert F. Jones, Association of American Medical Colleges; Suzanne Vanyur, Federal Bureau of Prisons

Detection of Item Bias: A Comparison Across Methods, Brenda H. Loyd, University of Virginia

Discussants: John Fremer, The Psychological Corporation
Cynthia B. Schmeiser, The American College
Testing Program

Tuesday 2:15-4:15

Parlor B

J3 TREATING ORDINAL SCALES AS INTERVAL SCALES: AN ATTEMPT TO RESOLVE THE CONTROVERSY

(Symposium, co-sponsor: AERA Div. D: #32.10)

Chair: Thomas R. Knapp
University of Rochester

Participants:

Meaningless Statistics, Fred S. Roberts, Rutgers University

Ordinal Measurement and Social Statistics, Bruce D. Spencer, Northwestern University

Parametric Procedures and Ordinal Indicators of Latent Variables, Scott E. Maxwell, University of Notre Dame

Some Comments on the Statistical Treatment of Rank Data, R. Clifford Blair, University of South Florida

Discussant: Hoben Thomas, Pennsylvania State University

Tuesday 2:15-4:15

Dining Room 4

J4 THE GRE ANALYTICAL TEST: A NEW MEASURE FOR GRADUATE SCHOOL DECISION MAKING

(Symposium, co-sponsor: AERA Division D: #32.19)

Chair: Richard Mowsesian
University of Texas

Participants:

The Analytical Score: Research Leading to a New Measure, Cheryl L. Wild, Educational Testing Service

The Analytical Score: What It Measures and What It Doesn't, W. Miles McPeck, Educational Testing Service

The Incremental Validity of the GRE Analytical Measure for Humanities, Social Sciences, Biological Sciences, and Physical Sciences Departments, Neal M. Kingston, Educational Testing Service

The Next Step: Directions for Future Research, Linda F. Leary, Educational Testing Service

The GRE Analytical Score: Institutional Uses, William L. Hays, University of Texas

Discussants: Nancy Cole, University of Pittsburgh
Paul H. Kelley, University of Texas

Tuesday 4:05-6:05

Parlor H

K1 RECENT DEVELOPMENTS IN ASSESSMENT AND EXAMINATION PROCEDURES: AN INTERNATIONAL PERSPECTIVE
(Invited Symposium)

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

Participants:

France, Patricia Broadfoot, University of Bristol

Scotland, Bryan Dockrell, Scottish Council for Research in Education

England and Wales, Harvey Goldstein, University of London Institute of Education; Desmond Nuttall, The Open University

Pakistan, Parween Hasan, Boston College

Sweden, Torsten Husén, Institute for International Education, University of Stockholm

Discussant: George F. Madaus, Boston College

Tuesday 4:05-6:05

Clark 10

K2 THE ALABAMA HIGH SCHOOL GRADUATION EXAMINATION EXPERIENCE
(Invited Symposium)

Moderator: Rodney W. Roth
University of Alabama

Participants:

Glennelle Halpin, Auburn University

Anne Hess, Alabama Department of Education

Robert Lockwood, Alabama Department of Education

James McLean, University of Alabama

Beatrice Morse, Alabama State University

Joyce Steele, University of Alabama

Discussant: Thomas Fisher, Florida Department of Education

Tuesday 4:05-6:05

Clark 1

K3 MEASUREMENT SERVICES ASSOCIATION SYMPOSIUM AND ANNUAL MEETING

(Invited)

Moderator: Robert B. Frary
Virginia Polytechnic Institute and State University

Symposium Presenters:

Joe Rottman, Scan-Tron Corporation
John Stanley, Cognitronics Corporation
Don Williams, National Computer Systems

Meeting Presentation:

Survey of Characteristics of Measurement Services Offices
Dary Erwin, Randall Nelson, Steven Chatman, Texas A&M University

WEDNESDAY

Wednesday 8:15-10:15

Parlor H

L1 CHEATING ON STANDARDIZED TESTS

(Symposium)

Moderator: Grace Iverson
Lansing Public Schools

Participants:

Cheating—What Is It? Maria-Luisa Gonzalez, Dallas Independent School District
Cheating—Why Does It Exist? Ellen Pechman, New Orleans Public Schools
Cheating—How Do We Know? Robert Frary, Virginia Polytechnic Institute; George Olson, Dallas Independent School District
Cheating—What Do We Do About It? Robert J. Nearine, Hartford Public Schools

Discussant: Jules Grosswald, Philadelphia Public Schools

Wednesday 8:15-10:15

Clark 10

L2 MEASUREMENT ISSUES

(Paper Session)

Chair: Peter Wolmut

Multnomah (OR) Education Service District

Papers:

A Study of Pre-Assessment Instrument for TABS Remediation, Helen Lee Wylie, Region IV Education Service Center, Texas; Gwynethe M. Boodoo, Texas A&M University

Large Sample Pre-Equating: How Accurate?, Samuel A. Livingston, Educational Testing Service

An Empirical Investigation of the Reliability of Gain Scores, Carole L. Perlman, Nikolaus Bezruczko, Linda K. Junker, William K. Rice, Chicago Public Schools

Estimating the Reliability of Multiple True-False Tests, David A. Frisbie, Cynthia Druva, The University of Iowa

Some Comments on the Correction for Guessing: A Further Analysis of Angoff and Schrader, Mark A. Albanese, The University of Iowa

Discussants: John Poggio, University of Kansas

Douglas Whitney, American Council on Education

Wednesday 8:15-10:15

Sandburg 8

L3 RECENT DEVELOPMENTS IN TEST THEORY IN THE NETHERLANDS

(Symposium, co-sponsor: AERA Division D: #38.23)

Chair: Ronald K. Hambleton

University of Massachusetts

Participants:

Recent Developments in Bayesian Methods, Ivo W. Molenaar, University of Groningen

Recent Developments in Decision Theory, Wim J. van der Linden, Twente University of Technology

Recent Developments in Item Response Theory, Edward E. Roskam, Arnold L. van den Wollenberg, University of Nijmegen

Recent Developments in Item Bias Research, Gideon J. Mellenbergh, University of Amsterdam

Recent Developments in Generalizability Theory, Data N. M. de Gruijter, University of Leyden

Wednesday 8:15-10:15

State Ballroom

**14 USING MEASUREMENT TO LEGISLATE COLLEGE
ATHLETIC REFORM: THE NCAA DEBATE ON FRESHMAN
ELIGIBILITY STANDARDS**

(Symposium, co-sponsor: AERA Division D: #38.28)

Chair: Eric Zemper

National Collegiate Athletic Association

Participants:

Using Test Scores and Core Curriculum Requirements as Predictors of College Academic Success, Ted Bartell, J. Ward Keesling, Advanced Technology, Inc.

A Study of the NCAA Eligibility Status of 1984 High School Senior Athletes in Iowa, Robert Delacey, Belle Plain Community School

A Study of the Academic Progress of 1982-1983 Freshman Athletes in Division I Institutions, James Maxey, Michael Kane, Richard Sawyer, ACT

On the Relation Between Freshman Eligibility for Varsity Sports and Academic Achievement in the First Year of College, Henry Braun, Irving Broudy, Jan Flaughner, Nancy Robertson, Educational Testing Service

Discussants:

Robert Linn, University of Illinois; John Taylor, NIE; William Ellis, Congressional Research Service; Gwen Norrell, Michigan State University; Harry Edwards, University of California

**1985 NCME PROGRAM
HIGHLIGHTS
AND
PROGRAM SUMMARY**

NCME PROGRAM HIGHLIGHTS

**A1 CONCERNS, PROBLEMS, AND ISSUES RELATED TO
EVALUATION AND MEASUREMENT IN THE SCHOOLS**

Monday 8:15 - 10:15; Parlor H

Chair: Richard C. Wallace, Pittsburgh Public Schools

Participants: Sally Dias, Lynnfield (MA) Public Schools; Walter Hathaway, Portland (OR) Public Schools; Ronald Larkin, New Brunswick (NJ) Public Schools; Paul LeMahieu, Pittsburgh Public Schools; Richard Wallace, Pittsburgh Public Schools

**A3 ISSUES IN THE DEVELOPMENT OF A LARGE SCALE
ASSESSMENT OF CRITICAL THINKING SKILLS**

Monday 8:15 - 10:15 Grand Ballroom

Chair: Milton Goldberg, U.S. Department of Education

Presenters: Robert Ennis, University of Illinois; Joan Boykoff Baron, Connecticut SEA; Edys Quellmalz, Stanford University; Lorraine Aronson, Connecticut SEA

Discussant: Jane Close Conoley, University of Nebraska-Lincoln

**B1 ASSESSING THE CLASSROOM TEACHER—FROM
CERTIFICATION TESTING TO CONTINUOUS EDUCATION**

Monday 10:35 - 12:05 Parlor H

Chair: Norman Goldman, New Jersey Education Association

Participants: Bernard K. Gifford, University of California-Berkeley; Norman Goldman, New Jersey Education Association; Catherine Havrilesky, Educational Testing Service; Bernard H. McKenna, National Education Association

**D3 COMPUTERIZED ASSESSMENT FOR THE IMPROVEMENT
OF INSTRUCTION**

Monday 2:15 - 3:45 Parlor H

Chair: Walt Haney, Boston College

Presenters: Joseph Foley, Southeastern Massachusetts University; Walt Haney, Boston College; Patricia Murphy, Mantech International; Martha Bronson, Research Psychologist, Cambridge, MA

Discussant: Jason Millman, Cornell University

E2 STANDARDIZED TEST AUTHORS AND DEVELOPERS LOOK AT TEST USE: HOW GOOD? RESPONSIBLE? ETHICAL?

Monday 4:05 - 6:05 Parlor H

Chair: Herbert C. Rudman, Michigan State University

Presenters: Michael H. Kean, CTB/McGraw Hill; H.D. Hoover, University of Iowa; Thomas P. Hogan, University of Wisconsin-Green Bay; Eric F. Gardner, Syracuse University; Burton W. Faldet, Science Research Associates, Inc.; Gerry Ann Bogatz, Educational Testing Service

I2 QUALITY ASSURANCE IN TEST DEVELOPMENT AND USE

Tuesday 12:25 - 1:55 Parlor H

Moderator: John Fremer, The Psychological Corporation

Participants: Robert L. Linn, University of Illinois at Urbana-Champaign; Jerome R. Murphy, Educational Testing Service; John Fremer, The Psychological Corporation

Discussant: Howard Stoker, University of Tennessee

K1 RECENT DEVELOPMENTS IN ASSESSMENT AND EXAMINATION PROCEDURES: AN INTERNATIONAL PERSPECTIVE

Tuesday 4:05 - 6:05 Parlor H

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

Participants: Patricia Broadfoot, University of Bristol; Bryan Dockrell, Scottish Council for Research in Education; Harvey Goldstein, London University of Education; Desmond Nuttall, Open University; Parween Hasan, Board of Secondary Education, Pakistan; Torsten Husén, Institute for International Education, University of Stockholm

Discussant: George F. Madaus, Boston College

L3 RECENT DEVELOPMENTS IN TEST THEORY IN THE NETHERLANDS

Wednesday 8:15 - 10:15 Sandburg 8

Chair: Ronald K. Hambleton, University of Massachusetts

Participants: Ivo W. Molenaar, University of Groningen; Wim J. van der Linden, Twente University of Technology; Edward E. Roskam, Arnold L. van den Wollenberg, University of Nijmegen; Gideon J. Mellenbergh, University of Amsterdam; Data N.M. de Gruijter, University of Leyden

**L4 USING MEASUREMENT TO LEGISLATE COLLEGE
ATHLETIC REFORM: THE NCAA DEBATE ON FRESHMAN
ELIGIBILITY STANDARDS**

Wednesday 8:15 - 10:15 State Ballroom

Chair: Eric Zemper, National Collegiate Athletic Association

Participants: Ted Bartell, J. Ward Keesling, Advanced Technology, Inc; Robert Delacey, Belle Plain Community School; James Maxey, Michael Kane, Richard Sawyer, ACT; Henry Braun, Irving Broudy, Jan Flaugher, Nancy Robertson, Educational Testing Service

Discussants: Robert Linn, University of Illinois; John Taylor, NIE; William Ellis, Congressional Research Service; Gwen Norrell, Michigan State University; Harry Edwards, University of California

M1 NAEP: AN EDUCATIONAL INDICATOR

Wednesday 10:35 - 12:05 Parlor H

Moderator: Archie E. Lapointe, NAEP, Educational Testing Service

Participants: Jules Goodison, NAEP, Educational Testing Service; Ina Mullis, NAEP, Educational Testing Service; Albert Beaton, NAEP, Educational Testing Service; Samuel Messick, NAEP, Educational Testing Service

Discussants: Ronald Hambleton, University of Massachusetts; Lorrie Shepard, University of Colorado

**P2 SOLVING PROBLEMS IN A LARGE SCALE DIRECT
WRITING ASSESSMENT PROGRAM**

Wednesday 4:05 - 6:05 Parlor H

Chair: Ann Chafin, Maryland State Department of Education

Participants: Gary Phillips, Maryland State Department of Education; Faith Hermann, Baltimore County Public Schools; Mary L. Crovo, Maryland State Department of Education; Ann Chafin, Maryland State Department of Education

Discussant: Allan Starkey, Anne Arundel County Schools

PROGRAM SUMMARY

MONDAY, APRIL 1

8:15 - 10:15

- A1 CONCERNS, PROBLEMS, AND ISSUES RELATED TO EVALUATION AND MEASUREMENT IN THE SCHOOLS**
(Invited Symposium, Parlor H)
- A2 ITEM RESPONSE THEORY AND LATENT STRUCTURE MODELS**
(Paper Session, Clark 10)
- A3 ISSUES IN THE DEVELOPMENT OF A LARGE SCALE ASSESSMENT OF CRITICAL THINKING SKILLS**
(Symposium, Co-sponsor: AERA SIG: SEA: #11.01, Grand Ballroom)
- A4 SEX BIAS IN TESTS**
(Symposium, Co-sponsor: AERA SIG: Research on Women and Education: #11.24, Dearborn 2)

10:35-12:05

- B1 ASSESSING THE CLASSROOM TEACHER—FROM CERTIFICATION TESTING TO CONTINUOUS EDUCATION**
(Invited Symposium, Parlor H)
- B2 ISSUES IN MEASURING BASIC SKILL AREAS**
(Paper Session, Clark 10)
- B3 ATTITUDE ASSESSMENT**
(Paper Session, Clark 1)
- B4 DETECTION OF ITEM BIAS USING IRT PROCEDURES**
(Critique, Co-sponsor: AERA Div. D: #13.21, Dearborn 3)

12:25 - 1:55

- C1 THE DEVELOPMENT OF FLORIDA SUBJECT AREA EXAMINATIONS**
(Symposium, Parlor H)
- C2 ITEM RESPONSE THEORY**
(Paper Session, Clark 1)
- C3 ASSESSING TEACHER COMPETENCY**
(Paper Session, Clark 10)

2:15 - 3:45

- D1 MEASUREMENT ISSUES IN DEVELOPING A TEST TO ASSESS THE ENGLISH-LANGUAGE PROFICIENCY OF LIMITED-ENGLISH-PROFICIENT STUDENTS**
(Symposium, Clark 10)
- D2 STANDARD SETTING**
(Paper Session, Clark 1)
- D3 COMPUTERIZED ASSESSMENT FOR THE IMPROVEMENT OF INSTRUCTION**
(Invited Symposium, Parlor H)
- D4 APPLICATIONS AND EVALUATIONS OF IRT EQUATING**
(Paper Session, Co-sponsor; AERA Div. D: #18.15, Dining Room 7)

4:05 - 6:05

- E1 ISSUES AND PROBLEMS IN LARGE CITY AND COUNTY SCHOOLS**
(Symposium, Clark 10)
- E2 STANDARDIZED TEST AUTHORS AND DEVELOPERS LOOK AT TEST USE: HOW GOOD? RESPONSIBLE? ETHICAL?**
(Invited Symposium, Parlor H)
- E3 TEST ITEM ISSUES**
(Paper Session, Clark 1)
- E4 COMPUTERIZED ADAPTIVE TESTING AND COGNITIVE DIAGNOSIS OF ERRORS: A MODEL AND APPLICATIONS**
(Symposium: Co-sponsor: AERA Div. D: #20.09, Parlor F)
- E5 NEW DIAGNOSTIC/INSTRUCTIONAL LINKS IN READING AND WRITING**
(Symposium, Co-sponsor: AERA Div. E: #20.25, Dearborn 1)

6:45 - 8:30

- F1 NO-HOST COCKTAIL PARTY AND RECEPTION**
(Montrose 1)

TUESDAY, APRIL 2

8:00 - 9:00

- G1 NCME ANNUAL BREAKFAST**
(Wabash)
 - 8:00 - 8:15 - Coffee
 - 8:15 - 9:00 - Breakfast

9:00 - 10:15

- G2 NCME PRESIDENTIAL ADDRESS AND BUSINESS MEETING**
(Wabash)

10:35 - 12:05

H1 NCME INVITED ADDRESS
(Parlor H)

12:25 - 1:55

- I1 EVALUATING ACHIEVEMENT OUTCOMES: THE CASE ON BEHALF OF CRITERION-REFERENCED MINIMUM COMPETENCY TESTING**
(Symposium, Clark 10)
- I2 QUALITY ASSURANCE IN TEST DEVELOPMENT AND USE**
(Invited Symposium, Parlor H)
- I3 FACTORS AFFECTING ITEM RESPONSE THEORY-EQUATING PROCEDURES**
(Paper Session, Co-sponsor: AERA Div. D: #30.12, Dining Room 8)
- I4 EVALUATION OF INSTRUCTIONAL STRATEGIES**
(Paper Session, Clark 1)

2:15-3:45

- J1 SCHOOL DISTRICT TESTING**
(Paper Session, Clark 10)
- J2 BIAS IN TESTING**
(Paper Session, Clark 1)

2:15-4:15

- J3 TREATING ORDINAL SCALES AS INTERVAL SCALES: AN ATTEMPT TO RESOLVE THE CONTROVERSY**
(Symposium, Co-sponsor: AERA Div. D: #32.10, Parlor B)
- J4 THE GRE ANALYTICAL TEST: A NEW MEASURE FOR GRADUATE SCHOOL DECISION MAKING**
(Symposium, Co-sponsor: AERA Div. D: #32.19, Dining Room 4)

4:05-6:05

- K1 RECENT DEVELOPMENTS IN ASSESSMENT AND EXAMINATION PROCEDURES: AN INTERNATIONAL PERSPECTIVE**
(Invited Symposium, Parlor H)
- K2 THE ALABAMA HIGH SCHOOL GRADUATION EXAMINATION EXPERIENCE**
(Invited Symposium, Clark 10)
- K3 MEASUREMENT SERVICES ASSOCIATION SYMPOSIUM AND ANNUAL MEETING**
(Invited, Clark 1)

WEDNESDAY, APRIL 3

8:15-10:15

- L1 CHEATING ON STANDARDIZED TESTS**
(Symposium, Parlor H)
- L2 MEASUREMENT ISSUES**
(Paper Session, Clark 10)
- L3 RECENT DEVELOPMENTS IN TEST THEORY IN THE NETHERLANDS**
(Symposium, Co-sponsor: AERA Div. D: #38.23, Sandburg 8)
- L4 USING MEASUREMENT TO LEGISLATE COLLEGE ATHLETIC REFORM: THE NCAA DEBATE ON FRESHMAN ELIGIBILITY STANDARDS**
(Symposium, Co-sponsor: AERA Div. D: #38.28, State Ballroom)

10:35-12:05

- M1 NAEP, AN EDUCATIONAL INDICATOR**
(Invited Symposium, Parlor H)
- M2 TECHNICAL CHARACTERISTICS OF MEASUREMENT INSTRUMENTS**
(Paper Session, Clark 1)
- M3 SOUTH CAROLINA'S STUDENT AND TEACHER DIRECT WRITING ASSESSMENT PROGRAMS**
(Symposium, Co-sponsor: AERA Div. H: #41.10, Parlor A)
- M4 INVOLVING SCHOOL DISTRICT PRACTITIONERS IN THE RESEARCH MAINSTREAM**
(Symposium, Clark 10)

12:25-1:55

- N1 NATIONAL ASSOCIATION OF TEST DIRECTORS BUSINESS MEETING**
(Invited, Clark 10)
- N2 APPLICATIONS OF IRT PROCEDURES TO PROBLEMS IN MEASUREMENT**
(Symposium, Co-sponsor: AERA Div. D: #43.05, Crystal)

12:25-1:05

- N3 ROUNDTABLE PRESENTATION**
(Monroe)

2:15-3:45

- O1 EDUCATOR CAREER LADDER PROGRAMS: CLIMBING TOWARD COMPETENCE OR CALAMITY**
(Symposium, Clark 10)
- O2 THEORETICAL DEVELOPMENTS IN IRT**
(Paper Session, Co-sponsor: AERA Div. D: #45.11, Dining Room 16)
- O3 FITTING IRT MODELS TO MULTIDIMENSIONAL DATA**
(Paper Session, Co-sponsor: AERA Div. D, #45.31, Sandburg 8)

4:05-6:05

- P1 DYNAMICS OF GUESSING BEHAVIOR: METHODOLOGICAL APPROACHES**
(Symposium, Clark 10)
- P2 SOLVING PROBLEMS IN A LARGE SCALE DIRECT WRITING ASSESSMENT PROGRAM**
(Invited Symposium, Parlor H)
- P3 ETHICS, POLITICS, AND PYSCHOMETRICS IN DETECTING IRREGULARITIES IN SCHOOL DISTRICTS' TESTING PROGRAMS**
(Symposium, Co-sponsor: AERA Div. H: #47.10, Parlor B)
- P4 PRACTICAL APPLICATIONS FOR THE DEVELOPMENT, ANALYSIS, SCORING AND VALIDATION OF PYSCHOMETRIC INSTRUMENTS**
(Symposium, Co-sponsor: AERA Div. D: #47.13, Dining Room 9)
- P5 NCME BOARD OF DIRECTORS MEETING**
(Sandburg 5)

Wednesday 10:35-12:05

Parlor H

M1 NAEP: AN EDUCATIONAL INDICATOR

(Invited Symposium)

Moderator: Archie E. Lapointe
NAEP, Educational Testing Service

Participants:

The NAEP Data Collection Process, Jules Goodison, NAEP, Educational Testing Service

Results from the 1983-1984 NAEP—Reading and Writing Assessment and Future Plans, Ina Mullis, NAEP, Educational Testing Service

NAEP Analysis Procedures and Methodology, Albert Beaton, NAEP, Educational Testing Service

The 1986 NAEP Design: Changes and Challenges, Samuel Messick, NAEP, Educational Testing Service

Discussants: Ronald Hambleton, University of Massachusetts
Lorrie Shepard, University of Colorado

Wednesday 10:35-12:05

Clark 1

M2 TECHNICAL CHARACTERISTICS OF MEASUREMENT INSTRUMENTS

(Paper Session)

Chair: Thomas F. Donlon
Educational Testing Service

Papers:

Sensitivity of Item Statistics to Instructional Validity, William A. Mehrens, S.E. Phillips, Michigan State University

Computer Literacy Assessment: Achievement Correlates With a Reliable Criterion, Roy M. Gabriel, Northwest Regional Educational Laboratory

Development and Validation of an Instrument to Measure School-Related Sources and Manifestations of Stress In Children: The School Situation Survey, Barbara J. Helms, Robert K. Gable, University of Connecticut

Published Educational Achievement Tests: An Examination of Their Technical Attributes, Bruce W. Hall, University of South Florida

Discussant: Doug Glasnapp, University of Kansas

Wednesday 10:35-12:05

Parlor A

**M3 SOUTH CAROLINA'S STUDENT AND TEACHER DIRECT
WRITING ASSESSMENT PROGRAMS**

(Symposium, co-sponsor: AERA Division H: #41.10)

Chair: Paul D. Sandifer

South Carolina State Department of Education

Participants:

Prompt Development and the Pre-Equating Procedures Used for Prompt Selection, Vana H. Meredith, South Carolina State Department of Education

Scoring Criteria and Standard Setting, L. Lynne Mappus, South Carolina State Department of Education

Rater Training and Qualifying, Patricia A. Brinlee, South Carolina State Department of Education

The Scoring Process, C. Lewie Hartley, South Carolina State Department of Education

Discussants: Robert R. Rentz, R. & R. Evaluations, Inc.

Stephen L. Koffler, New Jersey State Department of Education

Wednesday 10:35-12:05

Clark 10

M4 INVOLVING SCHOOL DISTRICT PRACTITIONERS IN THE RESEARCH MAINSTREAM

(Symposium)

Moderator: Roger F. Baglin
Rochester (NY) City School District

Participants:

Research—Who Needs It? Peirce Hammond, Cleveland Public Schools

Why Administrators Should Support Research in the Schools and How They Can Do So, Freda Holley, Austin Independent School District

Weaving the Research Department—With a Service Orientation—Into the Educational and Instructional Life of the District, Paul G. LeMahieu, Pittsburgh Public Schools

Moving the Research Department into the “Educational Mainstream”, Dean Nafziger, San Diego Unified School District

Building School District—University—State Education Department Cooperation, Edward Reidy, West Hartford Public Schools

Action Research Policy Questions—Moving Into the “Research Mainstream”, Robert Rodosky, Jefferson County (KY) Public Schools

Discussant: Nancy S. Cole, University of Pittsburgh

Wednesday 12:25-1:55

Clark 10

N1 NATIONAL ASSOCIATION OF TEST DIRECTORS BUSINESS MEETING

(Invited)

Chair: Paul Brown
Indianapolis Public Schools

Wednesday 12:25-1:55

Crystal

N2 APPLICATIONS OF IRT PROCEDURES TO PROBLEMS IN MEASUREMENT

(Symposium, co-sponsor: AERA Division D: #43.05)

Chair: Gary Marco
Educational Testing Service

Participants:

The Application of an Unfolding Model of the IRT Type to the Measurement of Attitude, David Andrich, University of Western Australia

Restricted Item Response Models for Developmental Assessment, John R. Bergan, University of Arizona

Item and Scale Transformation Functions for the Partial Credit Model, Barbara A. Dodd, William R. Koch, University of Texas at Austin

The Analysis of the Use of Item Response Theory to Investigate the Fidelity of Test Translation, David W. Osberg, John C. Scott, Riverside Publishing Co.; Nambury S. Raju, Illinois Institute of Technology

Critic: Neal Kingston, Educational Testing Service

Wednesday 12:25-1:05

Monroe

N3 ROUNDTABLE PRESENTATION

Estimating Ability in the Three-Parameter Logistic Model Using SPSS, Gary W. Phillips, Maryland State Department of Education

Wednesday 2:15-3:45

Clark 10

01 EDUCATOR CAREER LADDER PROGRAMS: CLIMBING TOWARD COMPETENCE OR CALAMITY

(Symposium)

Moderator: Stuart C. Rankin
Detroit Public Schools

Participants:

Tennessee's Career Ladder Program: An Overview, Carol B. Furtwengler, Tennessee Department of Education

Concept Into Practice: The Development of a Career Ladder Evaluation System, Joyce R. McLarty, Tennessee Department of Education

Appropriate Local Involvement in a State-Level Career Ladder Program, George E. Malo, Tennessee Department of Education

Contributions and Limitations of Paper-and-Pencil Competency Tests for Education, W. James Popham, UCLA and IOX Assessment Associates

Discussants: Jason Millman, Cornell University
Daniel Stufflebeam, Western Michigan University

Wednesday 2:15-3:45

Dining Room 16

02 THEORETICAL DEVELOPMENTS IN IRT (Paper Session, co-sponsor: AERA Division D: #45.11)

Chair: Linda Cook
Educational Testing Service

Participants:

A Probabilistic Item Response Theory Model for Unfolding of Preference Data, David Andrich, University of Western Australia

Accuracy, Bias, and Priors in Bayesian Estimation of Parameters of Item Response Models, Janice A. Gifford, Mt. Holyoke College;

Hariharan Swaminathan, University of Massachusetts-Amherst
Latent Trait Models Dealing with Continuous Data, Fumiko Samejima, University of Tennessee

Fitting Item Characteristic Curves with Spline Functions, Suzanne Winberg, Universite de Montreal; David Thissen, University of Kansas; Howard Wainer, Educational Testing Service

Critic: Bert F. Green, Johns Hopkins University

Wednesday 2:15-3:45

Sandburg 8

03 FITTING IRT MODELS TO MULTIDIMENSIONAL DATA (Paper Session, co-sponsor: AERA Division D: #45.31)

Chair: Linda Murray
American Board of Internal Medicine

Participants:

An Examination of the Characteristics of Unidimensional Item Response Estimates Derived from Two-Dimensional Data, Timothy N. Ansley, University of Iowa

Examining the Effects of Multidimensional Data on Ability and Item Parameter Estimation Using the Three-Parameter Logistic Model, Evelyn Doody-Bogan, CTB/McGraw Hill

The Difficulty of Test Items That Measure More Than One Ability, Mark D. Reckase, ACT

An Investigation of the Effects of Item-Type Dimensionality on Item Parameters for a Test of Verbal and Quantitative Aptitudes, Lawrence E. Wightman, Educational Testing Service

A Monte Carlo Study of the Sampling Distribution of the Ratio of the First Two Eigenvalues of a Reduced Correlation Matrix, Nancy L. Allen, University of Iowa

Critic: Ronald K. Hambleton, University of Massachusetts

Wednesday 4:05-6:05

Clark 10

**P1 DYNAMICS OF GUESSING BEHAVIOR:
METHODOLOGICAL APPROACHES**
(Symposium)

Moderator: Steven L. Wise
University of Nebraska-Lincoln

Participants:

Between Group Experimental Design, William H. Angoff, Educational Testing Service

Within Group Experimental Design, Barbara S. Plake, Steven L. Wise, University of Nebraska-Lincoln

Partial Information Analysis, Robert B. Frary, Lawrence H. Cross, Edward H. Sewell, Virginia Polytechnic and State University

Structural Analyses, Including Person Fit and S/P Procedures, Jeffrey K. Smith, Rutgers University

Assessing Guessing Behavior Using the Three-Parameter Logistic Model, Neal M. Kingston, Educational Testing Service

Prediction of Guessing Behavior by Expert Judges, Gerald J. Melican, Educational Testing Service

Discussants: Ross Traub, Ontario Institute for Studies in Education
Robert Brennan, ACT

Wednesday 4:05-6:05

Parlor H

P2 SOLVING PROBLEMS IN A LARGE SCALE DIRECT WRITING ASSESSMENT PROGRAM

(Invited Symposium)

Chair: Ann Chafin

Maryland State Department of Education

Participants:

Statistical Equating of Direct Writing Assessments, Gary Phillips, Maryland State Department of Education

Developing a Scoring System for Direct Writing Assessments, Faith Hermann, Baltimore County Public Schools

Developing Writing Prompts, Mary L. Crovo, Maryland State Department of Education

Administration and Implementation of a Large Scale Direct Writing Assessment Program, Ann Chafin, Maryland State Department of Education

Discussant: Allan Starkey, Anne Arundel County Schools

Wednesday 4:05-6:05

Parlor B

P3 ETHICS, POLITICS, AND PSYCHOMETRICS IN DETECTING IRREGULARITIES IN SCHOOL DISTRICTS' TESTING PROGRAMS

(Symposium, co-sponsor: AERA Division H: #47.10)

Chair: Ellen Pechman

New Orleans Public Schools

Participants:

Development of a Local School District's Efforts to Validate the Reliability of Its Test Data, Cormell Brooks, Ellen Pechman, New Orleans Public Schools

Use of Test Information for Instructional Planning: A Proposal, Paul LeMahieu, Pittsburgh Public Schools

Results of a Citywide Testing Program Audit in Chicago, Carol Perlman, Chicago Public Schools

Issues Relative to the Development, Administration, and Analysis of a Supplementary Validation Subtest, Grant Behnke, San Diego Public Schools

Formalizing Test-Taking Procedures to Minimize Potential Cheating Situations, Glynn Ligon, Austin Independent School District

Discussant: William Cooley, LRDC, University of Pittsburgh

Wednesday 4:05-6:05

Dining Room 9

P4 PRACTICAL APPLICATIONS FOR THE DEVELOPMENT, ANALYSIS, SCORING AND VALIDATION OF PSYCHOMETRIC INSTRUMENTS

(Symposium, co-sponsor: AERA Division D: #47.13)

Chair: Michael L. O'Brien
Columbia University

Participants:

Definition of Construct in the Analysis of a Developmental Ability Test, David Preddy, Columbia University

The Development and Analysis of the Adams Informal Inventory, Ruth R. Adams, City College of New York

A Comparison of Classical Test Theory and Rasch Latent Trait Theory in the Analysis of Equivalent Forms, Barbara Rich Bushell, Columbia University

A Comparison of the Validity of Scales Developed Using Internal Consistency, Criterion-Referenced, and Latent Trait Approaches to Scale Construction, Jeanne A. Teresi, Columbia University

A Comparison of Scoring Formats for the Development of Item Banking a Teacher-Made Test, John P. Hampilos, Columbia University

Wednesday 4:05-6:05

Sandburg 5

P5 NCME BOARD OF DIRECTORS MEETING

Members are invited to attend as observers

**ADDRESSES FOR ORGANIZERS OF
SYMPOSIUMS, PAPER SESSION PARTICIPANTS,
MODERATORS AND DISCUSSANTS***

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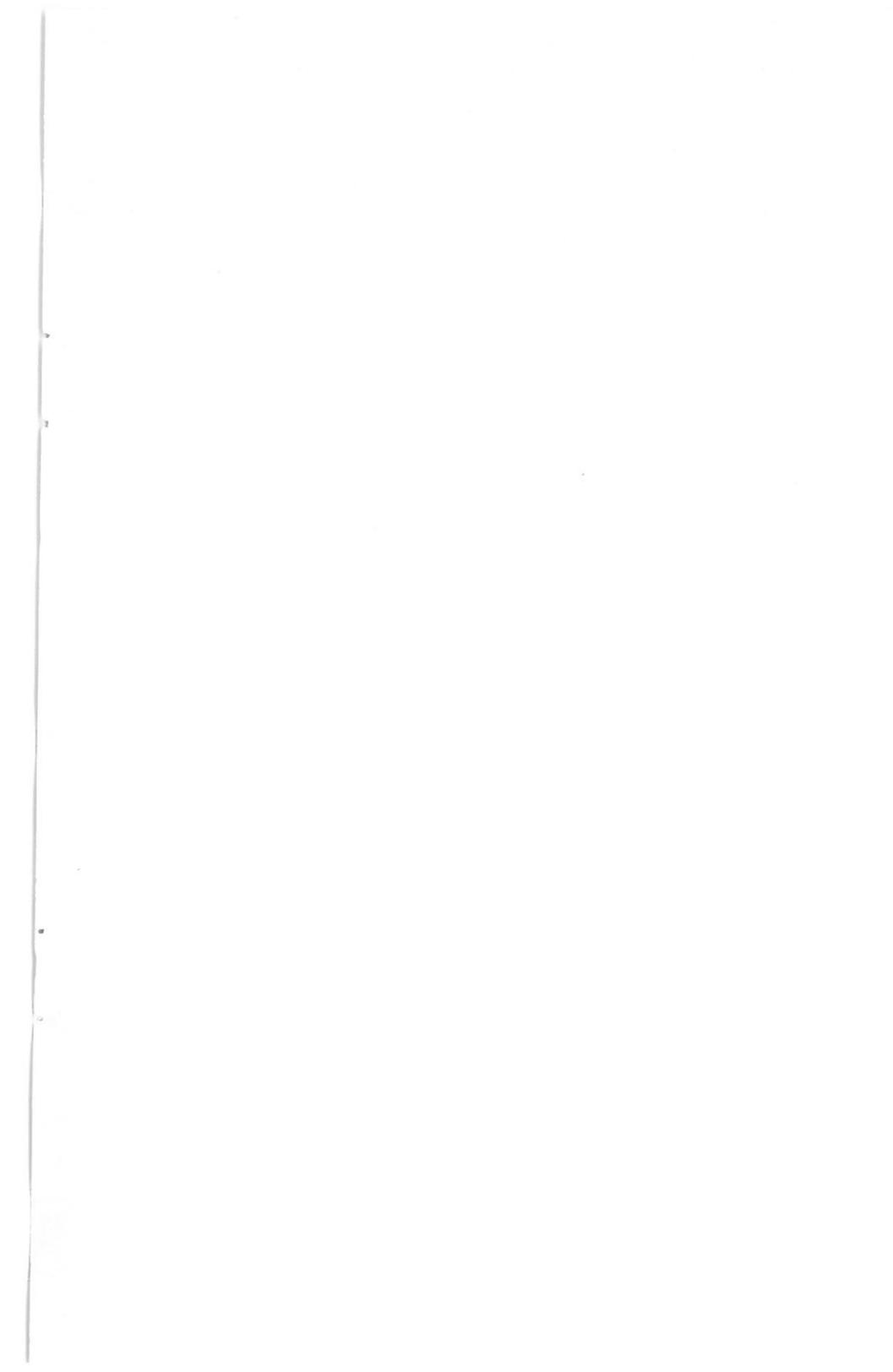
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