

NCME



New Orleans

ANNUAL MEETING PROGRAM
APRIL 6-8, 1988

National Council on
Measurement in Education

1988
ANNUAL MEETING
PROGRAM

New Orleans Marriott and
Sheraton New Orleans
Hotels
New Orleans, Louisiana
April 6-8, 1988

NATIONAL COUNCIL ON MEASUREMENT IN EDUCATION

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EDITORS

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| <i>Journal of Educational Measurement</i> | Wendy Yen CTB/McGraw Hill |
| <i>Educational Measurement (3rd Edition)</i> | Robert L. Linn University of Colorado/Boulder |
| <i>Educational Measurement: Issues and Practices</i> | Walter Haney, Boston College Edward F. Reidy, Jr. West Hartford (CT) Public Schools |
| <i>Handbook for the Evaluation of Elementary and Secondary School Teachers</i> | Jason Millman Cornell University |

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James Sanders —

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| Anderson, L.W. | Duran, Richard | Hall, Janie L. |
| Angoff, William H. ✓ | Dwyer, Carol | Hambleton, Ronald |
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| Brown, Scott | Gabrys, Robert | Impara, James ✓ |
| Burrill, Lois ✓ | Gerb, Alice | Ivens, Stephen ✓ |
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- | | | |
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| Ory, John | Schratz, Mary K. | Yen, Wendy |
| O'Sullivan, Rita | Schwab, Richard L. | |

NCME sessions on Wednesday, April 6 and Friday, April 8 will be held in the Sheraton New Orleans.

NCME sessions on Thursday, April 8 will be held in the New Orleans Marriott.

THANK YOU FOR NOT SMOKING DURING THESE SESSIONS.

NCME TRAINING SESSIONS

Admission to these three training sessions is strictly limited to ticket holders. Tickets are available by writing NCME, 1230 Seventeenth St. NW, Washington, D.C. 20036. **Please enclose a stamped self-addressed envelope with payment.** The deadline for ordering tickets is March 15, 1988. Tickets may be available on a first-come, first-served basis at the Registration Area in the Marriott Hotel.

TUESDAY

Course A, Tuesday, April 5, 8:00-5:00

FEE: \$50.00

Marriott: Mardi Gras N

COORDINATING AN ITEM DEVELOPMENT PROJECT

Instructors:

Annie W. Ward, Ward Educational Consulting

Mildred A. Murray-Ward, California Lutheran University

This pre-session involves training in the techniques and procedures necessary to take a group of content specialists, to train them to write test items, to obtain item reviews and try outs, and to set up and maintain an item bank. The pre-session is directed at those who know theories but have little experience in directing the efforts of others (usually content specialists or practitioners of a profession or occupation) in getting items written and revised to meet acceptable standards. Participants will engage in all aspects of item development and much attention will be devoted to eliciting items at higher levels of the taxonomy. Participants will receive a packet of materials that should facilitate their own efforts at conducting item development projects.

Course B, Tuesday, April 5, 8:30-11:00

FEE: \$25.00

Marriott: Mardi Gras N

STUDENT OUTCOME ASSESSMENT IN HIGHER EDUCATION: OPPORTUNITIES FOR THE MEASUREMENT COMMUNITY

Instructor:

T. Dary Erwin, James Madison University

The purpose of this workshop is to acquaint the measurement professional with the student outcome assessment movement in higher education. Several states and the regional accrediting associations are now requiring that colleges and universities assess their students' learning and development. Topics will include 1) discussing the background and philosophy of the movement, 2) establishing outcomes in the major, in general education in basic skills, and in affective development, 3) selecting or designing assessment methods and instruments, and 4) considering measurement issues in planning and analyzing assessment information. Emphasis will be placed on strategies and opportunities for measurement professionals to become involved.

FRIDAY

Course C, Friday, April 8, 2:15-6:15

14
FEE: \$10.00

Sheraton: Esterwood

TEACHING MEASUREMENT CONCEPTS TO TEACHERS

Instructors:

Richard J. Stiggins, Northwest Regional Educational Laboratory
Peter Airasian, Boston College

This workshop will provide guidelines and strategies to those who offer undergraduate and graduate measurement training designed to meet the unique needs of classroom teachers. The task demands of classroom assessment will be reviewed. Key measurement competencies will be presented and discussed. Guidelines will be suggested for planning and presenting training that works for teachers. NCME members who have succeeded in teaching key measurement concepts to teachers are invited to contact session directors to schedule time to share specific strategies that have worked for them.

TUESDAY

Tuesday, April 5, 5:00-7:30

Marriott: La Galerie 6

NCME BOARD OF DIRECTORS MEETING

Members are invited to attend as observers.

WEDNESDAY

Wednesday 8:15-10:15

Sheraton: Aurora

**A1 SURVEYING THE INFLUENCE OF IRT ON
TESTING PRACTICES**

(Invited Symposium—Co-Sponsor: AERA Division D #9.33)

Organizer: Ronald K. Hambleton, University of Massachusetts

Chair: H. Swaminathan, University of Massachusetts

Presenters:

Experiences in the Application of Item Response Theory in Test Construction

Donald Ross Green, Wendy M. Yen, George R. Burket, CTB/
McGraw-Hill

Applications of IRT Models to Criterion-Referenced Measurement Problems

Ronald K. Hambleton, H. Jane Rogers, University of Massachusetts
at Amherst

A Local District Application of Item Response Theory to Improving Educational Measurement

Walter E. Hathaway, Ron Houser, Portland Public Schools

Computerized Adaptive Testing: A Good Idea Waiting for the Right Technology

Mark D. Reckase, ACT

IRT Models Applied to State and National Assessments

Robert Mislevy, ETS

Discussant:

Ross E. Traub, OISE

Wednesday 8:15-10:15

Sheraton: Ellendale

A2 TEST EQUATING

(Critique)

Chair: Michael J. Kolen, ACT

Presenters:

An Investigation of the Adequacy of Test Score Equating Models

John Poggio, University of Kansas

Comparison of Thurstonian and Rasch Methods Of Equating Objective and Essay Writing Assessments

Susan E. Phillips, Michigan State University

A Comparison of Vertical Scalings with the Three-Parameter Model Using LOGIST and BILOG and Two Different Calibration Procedures

Walter D. Way, Jon S. Twing, Timothy N. Ansley, University of Iowa

Discussants:

Dattaprasad Divgi, Center For Naval Analyses

Nancy Petersen, ETS

Sheraton: Esterwood

A3 CURRENT RESEARCH IN STANDARD SETTING

(Critique)

Chair: Paula Nassif, National Evaluation Systems

Presenters:

Standard Setting: A Validation Study

Michael J. Subkoviak, Todd M. Franke, University of Wisconsin

The Effect of Several Variables on Judgmentally-Obtained Cut Scores

Ronald T. Cope, ACT

Accuracy of Option Elimination Prediction: Effect of a Technique to Improve Rater Agreement

Barbara S. Plake, University of Nebraska; Gerald J. Melican, Craig N. Mills, ETS

Competence-Based Standard Setting for Criterion-Referenced Examinations

Mary E. Lunz, American Society of Clinical Pathologists; Benjamin D. Wright, University of Chicago

Determining the Optimal Cutting Score on the ACT for Student-Athletes

Glennelle Halpin, Gerald Halpin, Kathy Murphy, Auburn University

Discussants:

R. Darrell Bock, University of Colorado

Robert L. Linn, University of Colorado

Wednesday 8:15-10:15

Marriott: Mardis Gras D

A4 TEST THEORY FOR TESTS BASED ON COGNITIVE THEORY

(Symposium—Co-Sponsor: AERA Division C #9.35)

Organizer/Chair: Norman Frederiksen, ETS

Presenters:

Cognitive Psychology and New Test Design

Richard E. Snow, Stanford University, David F. Lohman, University of Iowa

Sources of Difficulty in Calculus Performance

Drew H. Gitomer, ETS

Assessing Schema Knowledge

Sandra P. Marshall, San Diego State University

Assessing Student's Understanding and Misconceptions Regarding Complex Interrelated Concepts

Paul Feltovich, Richard Coulson, Southern Illinois University;
Rand Spiro, University of Illinois

Discussant:

John B. Carroll, University of North Carolina, Chapel Hill

Marriott: Mardi Gras D

**A5 NEW DEVELOPMENTS IN POLYCHOTOMOUS
ITEM SCORING AND MODELING**

(Symposium—Co-Sponsor: AERA Division D #9.19)

Organizer: J. Bradford Sympson, Navy Personnel R & D Center

Chair: Charles E. Davis, Office of Naval Research

Presenters:

*Empirically-Based Polychotomous Scoring of Multiple-Choice Items:
Historical Overview.*

Thomas Haladyna, Arizona State University, J. Bradford Sympson,
Navy Personnel R & D Center

An Evaluation of "Polyweighting" in Domain-Referenced Testing

J. Bradford Sympson, Navy Personnel R & D Center, Thomas
Haladyna, Arizona State University

*Comparison of a Nominal and a Graded-Response Model in
Computerized Testing*

Ralph DeAyala, University of Maryland; Barbara Dodd, William
Koch, University of Texas at Austin

Optimal Polychotomous Appropriateness Measurement

Michael Levine, Fritz Drasgow, Bruce Williams, Mary McLaughlin,
Gregory Candell, University of Illinois at Urbana-Champaign

Trace Lines for Testlets: A Use of Multiple-Categorical-Response Models

David Thissen, University of Kansas; Lynne Steinberg, Indiana
University; Jo Ann Mooney, University of Kansas

Discussants:

R. Darrell Bock, University of Colorado

Robert L. Linn, University of Colorado

Wednesday 10:35-12:05

Sheraton: Aurora

**B1 AN HISTORICAL PERSPECTIVE
ON KEY MEASUREMENT ISSUES**
(Invited Symposium)

Organizer/Chair: Neal M. Kingston, ETS

Presenters:

Individual Differences, Errors of Measurement, and Accountability
William E. Coffman, University of Iowa

Interpretation of Achievement Test Scores: Scales and Norms
Eric Gardner, Syracuse University

Validity of an Educational Test
Ralph W. Tyler, Consultant

Wednesday 10:35-12:05

Sheraton: Ellendale

**B2 AN INVESTIGATION OF WRITING
ASSESSMENT AND SCORING**
(Symposium)

Organizer: Cindy J. Sopko, The Psychological Corporation

Chair: Joan Sonnenschein, The Psychological Corporation

Presenters:

Use of Generalizability Theory for Estimating the Dependability of a Scoring System for Sample Essays
Suzanne Lane, University of Pittsburgh, Darrell Sabers, University of Arizona

Comparison of Holistic and Analytic Scores of MAT6 Writing Test
Darla Roy, The Psychological Corporation

An Investigation of Direct and Indirect Measures of Writing
Cindy J. Sopko, The Psychological Corporation

Building a Developmental Scale for a Nationally Normed Writing Test
Bert Wiser, The Psychological Corporation

Discussant:

Thomas P. Hogan, University of Scranton

Wednesday 10:35-12:05

Sheraton: Esterwood

B3 TOPICS IN TEACHER TESTING

(Critique)

Chair: Joseph J. Pedulla, Boston College

Presenters:

Updating Teacher Certification Tests: Procedures and Outcomes

Scott M. Elliot, Paula M. Nassif, National Evaluation Systems, Inc.

Standard Setting Practices For Teacher Tests

Lawrence M. Rudner, LMP Associates

*Conjunctive and Compensatory Models for Career-Ladder Decisions:
An Emprirical Investigation*

William A. Mehrens, S. E. Phillips, Michigan State University;

Joyce McLarty, ACT; Ernest Rakow, Memphis State University

Discussants:

Roy Hardy, ETS

Rodney Roth, University of Alabama

Wednesday 12:25-1:55

Sheraton: Aurora

C1 PAST PRESIDENTS SPEAK ON THE ISSUES

(Invited Symposium)

Organizer/Chair: William A. Mehrens, Michigan State University

Presenters:

Measurement Issues in Local Assessment Programs

Frank B. Womer, University of Michigan

The Setting and Use of Cut-Off Scores on Tests Used for Certification

Richard M. Jaeger, University of North Carolina at Greensboro

How Close Should One Teach to a Test

William A. Mehrens, Michigan State University

Discussant:

Lorrie Shepard, University of Colorado

Wednesday 12:25-1:55

Sheraton: Ellendale

C2 MINIMUM COMPETENCY TESTING

(Critique)

Chair: Grace Iverson, Lansing School District

Presenters:

Local Assessment Responses to a State-Mandated Minimum-Competency Testing Program: Benefits and Drawbacks

Steven, F. Ferrara, Maryland State Department of Education;

Joseph Willhoft, Charles County Schools; Carolyn Seburn, Washington County Schools; Frank Slaughter, Cecil County Schools; Jose Stevenson, Montgomery County Schools

State Minimum Competency Testing for Students: 1988 Update

Jon C. Marshall, North Carolina State University

Adequacy-of-Preparation Judgments and Actual Student Performance in High Stakes Tests

Srijati M. Ananda, IOX Assessment Associates

A Study of Differences Between What is Taught and What is Tested in Pennsylvania

James R. Masters, Pennsylvania Department of Education

Discussants:

Robert L. Brennan, ACT

Samuel A. Livingston, ETS

Wednesday 12:25-1:55

Sheraton: Esterwood

C3 MULTI-PURPOSE TESTING:

CAN ONE TEST SERVE TWO MASTERS

(NATD Symposium)

Organizer/Chair: J. Weldon Greene, District of Columbia Public Schools

Presenters:

Valeria A. Ford, District of Columbia Public Schools

Cynthia H. Almeida, District of Columbia Public Schools

Floraline I. Stevens, Los Angeles Unified Schools District

Mikel F. Brightman, Houston Independent School District

Discussant:

Evelyn J. Brzezinski, Portland Public Schools System

Wednesday 2:15-3:45

Sheraton: Aurora

D1 ISSUES IN TEST USE

(Critique)

Chair: Bernard R. Gifford, University of California at Berkeley

Presenters:

Legal Rights of the Takers of Tests: What the Courts and Legislatures Have Said

Thomas F. Donlon, Donlon Associates

Measuring Teachers' Attitudes About the Uses of Standardized Tests

Jeffrey Jenkins, Pat Frostman, University of New Mexico

Current Policies for Reporting Large-Scale Assessment Results to Parents in the United States

Bonnie L. Barber, Vivian L. Gadsen, Scott G. Paris, Edward D. Roeber, Marjorie Checkoway, Liese Hull, University of Michigan

Discussants:

Fred Brown, Iowa State University

Cynthia B. Schmeiser, ACT

Wednesday 2:15-3:45

Sheraton: Ellendale

D2 SCHOOL AND TEACHER EFFECTIVENESS

(Critique)

Chair: Anne R. Fitzpatrick, CTB/McGraw Hill

Presenters:

Measuring School Effectiveness Using Hierarchical Linear Models

Garrett K. Mandeville, Khosrow Heidari, University of South Carolina

An Approach to the Academic Dimension in an Effective Schools Monitoring Project

Roger F. Baglin, Gayatri Subramaniam, Rochester City School District

Item Banking for Higher Education Outcomes Assessment

Roy Hardy, ETS

Defining Teacher Effectiveness on a Continuum

Judith A. Burry, University of Kansas

Discussant:

William E. Coffman, University of Iowa

Wednesday 2:15-3:45

Sheraton: Esterwood

D3 NATD BUSINESS MEETING

Wednesday 4:05-6:05

Sheraton: Aurora

**E1 FACILITATING THE APPLICATION OF LARGE-SCALE
ASSESSMENT RESULTS WITH MICROCOMPUTER SUPPORT
(Symposium)**

Organizer/Chair: Peter Behuniak, Connecticut State Department of
Education

Presenters:

System Operation of the Mastery Test Information System
Lawrence Rayford, RMC Research Corporation

Development and Technical Features
E. Allen Schenck, RMC Research Corporation

District Applications of the Mastery Test Information System
Ann B. Jones, Wellington Public Schools

Overview of Connecticut Mastery Test and MITS
Peter Behuniak, Connecticut State Department of Education

Discussants:

Leah Rampy, American Express Company
Robert K. Gable, University of Connecticut

Sheraton: Ellendale

**E2 STANDARDIZED MEASURES WITHIN MINORITY
POPULATIONS: RESEARCH AND POLICY ISSUES**

(Invited Symposium, NCME Committee on Participation of Minorities)

Sponsor: Committee on Participation of Minorities

Organizer: Sylvia Johnson, Howard University

Chair: Jose Stevenson, Montgomery County, (MD) Public Schools

Participants:

Measurement of Attitudes Among Black Female Heads Of Families

Harriette P. McAdoo, Howard University

*Characteristics of SAT Items Showing Improvement After Coaching
Among Black Students From Low Income Families.*

Sylvia T. Johnson, Michael Wallace, Howard University

*Comparison of the Fit of One, Two, and Three Parameter Models to a
Criterion-Referenced Test in a Black Population*

Ruth Palmer, Howard University

*Legal Issues and Minority Involvement in Test Development for
Teacher Certification*

Lawrence Parker, Temple University

Discussants:

Linda Winfield, Temple University

Audrey Qualls-Payne, SRA

Wednesday 4:05-6:05

Sheraton: Esterwood

E3 ISSUES IN ITEM ANALYSIS

(Critique)

Chair: John C. Busch, University of North Carolina at Greensboro

Presenters:

The Predictive Accuracy of Item Difficulties Estimated on Non-Random Pretest Samples

Carole A. Bleistein, ETS

The Stability of Pretest Statistics Generated From College Samples as a Measure for Predicting Final Form Statistics for Achievement Tests

Nancy S. Ervin, ETS

The Effect of Answer Location on Item Difficulty and Discrimination in Language-Usage Tests

Renee M. Huntley, Catherine Welch, ACT

The Efficacy of Guttman's Item-Choice Weighting Method as an Item Analysis Technique

Robert E. Slaughter, UCSF School of Nursing

Discussants:

John R. Hills, Florida State University

Joanne M. Lenke, The Psychological Corporation

Wednesday 6:45-8:30

Sheraton: Bayside B

F1 NO-HOST COCKTAIL PARTY AND RECEPTION

THURSDAY

Thursday 8:00-9:00

Marriott: Mardi Gras D

G1 NCME BREAKFAST

Thursday 9:00-10:15

Marriott: Mardi Gras H

H1 BUSINESS MEETING AND PRESIDENTIAL ADDRESS (Business Meeting)

Presenter:

Validity in the Teaching and Learning Context: Whose Construct Is It?
Carol K. Tittle, City University of New York Graduate School

Thursday 10:35-11:35

Marriott: Mardi Gras H

I1 MEANING AND VALUES IN TEST VALIDATION: THE SCIENCE AND ETHICS OF ASSESSMENT (Invited Address—Co-Sponsor: AERA Division D #18.33)

Chair: Jane Faggen, ETS

Presenter:

*Meaning and Values in Test Validation: The Science and Ethics
of Assessment*
Samuel Messick, ETS

Marriott: Mardi Gras H

J1 OPTIMIZING INCOMPLETE SAMPLE DESIGN FOR ESTIMATING IRT PARAMETERS

(Symposium—Co-Sponsor: AERA Division D #28.20)

Organizer/Chair: Wim J. van der Linden, University of Twente,
The Netherlands

Presenters:

Using the Rasch Model for Incomplete Data to Evaluate Change in Ability Level

Norman D. Verhelst, Kees A. W. Glas, Cito, The Netherlands

Optimizing Incomplete Sample Designs for Estimating IRT Parameters

Wim J. van der Linden, University of Twente, The Netherlands

The Rasch Model and Missing Data, with an Emphasis on Tailoring Test Items

Data N. M. de Gruijter, University of Leiden, The Netherlands

Using the Rasch Model to Analyze Polychotomous Responses in a Multi-stage Testing Framework

Kees A. W. Glas, Norman D. Verhelst, Cito, The Netherlands

Discussant:

Paul W. Holland, ETS

Thursday 12:25-1:55

Marriott: Mardi Gras C

J2 TEST VALIDATION RESEARCH

(Symposium—Co-Sponsor: AERA, Division D #28.09)

Organizer: John Mazzeo, ETS

Chair: Eric Wimmers, ETS

Presenters:

Content Validation Studies of the AP Chemistry Examination

Hessy Taft, ETS

Criterion-related Validation Studies of the AP Examinations in English Literature and Composition and Spanish Language

John Mazzeo, Eric Wimmers, Robert Jones, Nancy Anderson, Judith Liskin-Gasparro, ETS

A Comparison of Structural Relationships Among Reading, Listening, Writing and Speaking Components of the AP French Language Examination for AP Candidates and College Students

Rick Morgan, John Mazzeo, ETS

Comparative Validity of Multiple-choice and Free-response AP Biology Items

Brent Bridgeman, ETS

Discussants:

James Maxey, ACT

Darrel L. Sabers, University of Arizona

Thursday 12:25-1:55

Marriott: Jackson

**J3 CLASSROOM VARIATIONS IN TESTING AND GRADE
ASSIGNMENT PRACTICES IN A SENIOR HIGH SCHOOL
MATHEMATICS COURSE**

(Symposium)

Organizer: Katherine MacRury, OISE

Chair: Sar B. Kahn, OISE

Presenters:

Test Design and Test Use: Variations in Classroom Practices
Roslyn Klaiman, OISE

Assigning Course Grades: Policies and Practices
Katherine MacRury, OISE

*Interpretation of the Marking Process: Teachers' Responses to a Common
Marking Task*

Philip Nagy, The OISE/UWO Educational Leadership Centre,
Althouse College

Lessons From the Classroom on Student Assessment
Ross E. Traub, OISE

Discussants:

Gila Hanna, OISE

Richard Stiggins, NWREL

Thursday 12:25-1:55

Marriott: Bissonet

J4 THE NAEP REPORT CARDS: THEORY, METHODS, AND IMPLICATIONS FOR POLICY AND PRACTICE
(Symposium—Co-Sponsor: AERA Division D #28.02)

Organizer/Chair: Ina Mullis, ETS

Presenters:

Considerations and Techniques for the Analysis of NAEP Data
Eugene Johnson, ETS

Considerations in Applying Item Response Theory to National Assessment Data
Robert Mislevy, ETS

NAEP as a Tool for Policy Analysis
Albert Beaton, ETS

Discussants:

Edward Haertel, Stanford University
Senta Raizen, National Academy of Science
Daniel Koretz, Congressional Budget Office

Thursday 12:25-1:55

Sheraton: Pontchairtrain B

J5 REPORT OF THE JOINT COMMITTEE ON TESTING PRACTICES (AERA, NCME, APA, AACD, ASHA)
(Symposium)

Co-Chairs: Carol Tittle, City University of New York;
John Fremer, ETS

Presenters:

The Code of Fair Testing Practices in Education
John Fremer, ETS; Carol Tittle, CUNY

Improving Public Understanding of Testing
Michael Zieky, ETS; Sylvia Johnson, Howard University

Cooperative Activities of Professional Associations to Improve Testing Practices
Esther Diamond, AACD/AMEG

Discussants:

Donald Ross Green, CTB/McGraw Hill
George Madaus, Boston College
William Mehrens, Michigan State University

Sheraton: Grand Ballroom D

K1 ROUNDTABLES #11-15

(Roundtable)

TABLE 11:

Using Test Anxiety and Standardized Achievement Test Scores to Identify Potential High School Dropouts During Middle School Years

Elizabeth A. Franks, Linda Crocker, University of Florida

TABLE 12:

A Study of Racial Bias in the Prediction of College Grade Point Average for Student-Athletes

Gerald Halpin, Glenelle Halpin, Auburn University

TABLE 13:

Development of an Academic Self-Efficacy Scale

Steven V. Owen, University of Connecticut; Robin D. Froman, University of Hartford

TABLE 14:

An Examination of Elementary Cognitive Tasks as Measures of Individual Differences in Ability

Mary Roznowski, Ohio State University; Charles Hulin, University of Illinois

TABLE 15:

An Examination of the Behavioral Dimensions of Behaviorally Disordered Students Across Grade Levels Utilizing Confirmatory Factor Analysis

Ron Sarnacki, North Texas State University

Thursday 2:15-3:45

Marriott: Mardi Gras H

L1 COMPUTERIZED TESTING

(Critique)

Chair: S.E. Phillips, Michigan State University

Presenters:

Networked Computerized Adaptive Testing

W.L. Bashaw, University of Georgia

Estimating Reliabilities of Computerized Adaptive Tests

D. R. Divgi, Center for Naval Analyses

Providing Item Feedback in Computer-Based Tests: Effects of Initial Success and Failure

Steven L. Wise, Barbara S. Plake, Bunny J. Pozehl, Laura L. Boettcher,

Leslie E. Lukin, University of Nebraska-Lincoln

Discussants:

Mark D. Reckase, ACT

Howard Wainer, ETS

Thursday 2:15-3:45

Marriott: Mardi Gras C

L2 TEST SPEEDEDNESS

(Critique)

Chair: Janice A. Gifford, Mount Holyoke College

Presenters:

An Investigation of Speededness in a Placement Test: A Call for Local Standards

Jerry N. Boone, Robert Kaiser, Jane McGuire, Todd Davis, Memphis State University

Establishing Optimum Time Limits in the Administration of Standardized Tests of Word Study Skills and Mathematics Applications

Herbert Rudman, Michigan State University

Accounting for Random or Patterned Responding in Assessing Speededness on Rights-Only Scored Tests

Charles Secolsky, Patricia A. Savage, ETS

Discussants:

Robert Frary, Virginia Tech University

Barbara Plake, University of Nebraska

**1988 NCME PROGRAM
HIGHLIGHTS
AND
PROGRAM SUMMARY**

FUTURE NCME MEETINGS

**1989 SAN FRANCISCO MARCH 28-30
1990 BOSTON APRIL 17-19**

HIGHLIGHTS

NCME BOARD OF DIRECTORS MEETINGS

(Members are invited to attend as observers)

Tuesday, April 5, 5:00-7:30
Marriott: La Galerie 6

Friday, April 8, 4:00-6:30
Marriott: Chartres

NO-HOST COCKTAIL PARTY AND RECEPTION

Wednesday, April 6, 6:45-8:30
Sheraton: Bayside B

NCME BREAKFAST

Thursday, April 7
Marriott: Mardi Gras D

NCME BUSINESS MEETING AND PRESIDENTIAL ADDRESS *VALIDITY IN THE TEACHING AND LEARNING CONTEXT: WHOSE CONSTRUCT IS IT?*

Carol Tittle, City University of New York Graduate School

Thursday, April 7, 9:00-10:15
Marriott, Mardi Gras H

NCME INVITED ADDRESS

MEANING AND VALUES IN TEST VALIDATION: THE SCIENCE AND ETHICS OF ASSESSMENT

Organizer/Chair: Jane Faggen, ETS
Presenter: Samuel Messick, ETS

Thursday, 10:35-11:35
Marriott: Mardi Gras H

NCME PROGRAM HIGHLIGHTS

A1 SURVEYING THE INFLUENCE OF IRT ON TESTING PRACTICES

(Invited Symposium—Co-Sponsor: AERA Division D #9.33)

Wednesday 8:15-10:15; Sheraton: Aurora

Organizer: Ronald K. Hambleton, University of Massachusetts

Chair: Hariharan Swaminathan, University of Massachusetts

Presenters: Donald Ross Green, Wendy M. Yen, and George R. Burket, CTB/McGraw-Hill; Ronald K. Hambleton, and H. Jane Rogers, University of Massachusetts; Walter E. Hathaway and Ron Houser, Portland Public Schools; Mark D. Rechase, ACT; Robert Mislevy, ETS

Discussant: Ross E. Traub, OISE

A4 TEST THEORY FOR TESTS BASED ON COGNITIVE THEORY

(Symposium—Co-Sponsor: AERA Division C #9.35)

Wednesday 8:15-10:15; Marriott: Mardi Gras D

Organizer/Chair: Norman Frederiksen, ETS

Presenters: Richard E. Snow, Stanford University; David F. Lohman, University of Iowa; Drew H. Gitomer, ETS; Sandra P. Marshall, San Diego State University; Paul Feltovich and Richard Coulson, Southern Illinois University; Rand Spiro, University of Illinois

Discussant: John B. Carroll, University of North Carolina, Chapel Hill

B1 AN HISTORICAL PERSPECTIVE ON KEY MEASUREMENT ISSUES

(Invited Symposium) Wednesday 10:35-12:05; Sheraton: Aurora

Organizer/Chair: Neal M. Kingston, ETS

Presenters: William E. Coffman, University of Iowa; Eric Gardner, Syracuse University; Ralph W. Tyler, Consultant

C1 PAST PRESIDENTS SPEAK ON THE ISSUES

(Invited Symposium) Wednesday 12:25-1:55; Sheraton: Aurora

Organizer/Chair: William A. Mehrens, Michigan State University

Presenters: Frank B. Womer, University of Michigan; Richard M. Jaeger, University of North Carolina, Greensboro; William A. Mehrens, Michigan State University

Discussant: Lorrie Shepard, University of Colorado

- E2 STANDARDIZED MEASURES WITHIN MINORITY POPULATIONS: RESEARCH AND POLICY ISSUES**
(Invited Symposium, NCME Committee on Participation of Minorities)
Wednesday 4:05-6:05; Sheraton: Ellendale
Organizer/Chair: Jose Stevenson, Montgomery County Public Schools
Participants: Harriette P. McAdoo, Sylvia T. Johnson, Michael Wallace, and Ruth Palmer, Howard University; Lawrence Parker, Temple University
Discussants: Linda Winfield, Temple University; Audrey Qualls-Payne, SRA
- J1 OPTIMIZING INCOMPLETE SAMPLE DESIGN FOR ESTIMATING IRT PARAMETERS**
(Symposium—Co-Sponsor: AERA Division D #28.20)
Thursday 12:25-1:55; Marriott: Mardi Gras H
Organizer/Chair: Wim J. van der Linden, University of Twente
Presenters: Norman D. Verhelst, and Kees A.W. Glas, Cito, The Netherlands; Wim J. van der Linden, University of Twente; Dato N.M. de Gruijter, University of Leiden
- L5 PERFORMANCE ASSESSMENTS IN TEACHING: TOWARD A NEW GENERATION OF EXAMINATIONS**
(Symposium—Co-Sponsor: AERA Divisions D and K #30.05)
Thursday 2:15-3:45; Marriott: La Galerie 3
Organizer/Chair: Linda Darling-Hammond, RAND Corporation
Presenters: Lee Shulman, Stanford University; Gaea Leinhardt, LRDC; Edward H. Haertel, Stanford University; S.M. Wilson, Michigan State University
Discussant: Richard J. Stiggins, NWREL
- N1 CLASSROOM ASSESSMENT RESEARCH AND TRAINING**
(Symposium—Co-Sponsor: AERA Division D) Friday 8:15-10:15;
Sheraton: Aurora
Organizer/Chair: Richard J. Stiggins, NWREL
Presenters: Gary Natriello, Columbia University; James S. Terwilliger, University of Minnesota; William D. Schafer, University of Maryland; Richard J. Stiggins, NWREL
Discussants: Ann Chafin, Council of Chief State School Officers; Marcella Dianda, NEA
- O1 AN OVERVIEW OF THE THIRD EDITION OF EDUCATIONAL MEASUREMENT**
(Invited Symposium—Co-Sponsor: AERA Division D #39.44)
Friday 10:35-11:35 Sheraton: Aurora
Organizer/Chair: Robert Linn, University of Colorado
Presenters: Robert Linn, University of Colorado; Victor Bunderson, ETS; Robert Brennan, ACT

**R1 ADVANCES IN DIFFERENTIAL ITEM FUNCTIONING
RESEARCH WITH THE SCHOLASTIC APTITUDE TEST**

(Symposium—Co-Sponsor: AERA Division D #45.50) Friday 4:05-6:05;
Sheraton: Aurora

Organizer/Chair: David J. Wright, ETS

Presenters: Ida M. Lawrence, W. Edward Curley, and Frederick J. McHale, ETS; Frederick J. McHale, and Carol Jackson, ETS; Alicia P. Schmitt, Carole A. Bleistein, and Nancy Anderson, ETS; Neil J. Dorans, Alicia P. Schmitt, and W. Edward Curley, ETS

Discussants: Linda Crocker, University of Florida; Gwyneth Boodoo, Texas A & M University

R4 REAPPRAISING NTE APPRAISAL PROCEDURES

(Symposium—Co-Sponsor: AERA Division D) Friday 4:05-6:05;
Sheraton: Pontchartrain D

Organizer: W. James Popham, UCLA and IOX

Chair: Terrence C. Janicki, South Carolina Department of Education

Participants: Carol A. Dwyer, ETS; Karin K. Coyle, and Robert E. Carlson, IOX; Lawrence H. Cross, Virginia Polytechnic Institute; Gail Tomala, Connecticut State Department of Education

Discussants: Gerald E. DeMauro, ETS; W. James Popham, UCLA and IOX

PROGRAM SUMMARY

WEDNESDAY, April 6

8:15-10:15

- A1 SURVEYING THE INFLUENCE OF IRT ON TESTING PRACTICES**
(Invited Symposium—Co-Sponsor: AERA Division D #9.33, Sheraton: Aurora)
- A2 TEST EQUATING**
(Critique, Sheraton: Ellendale)
- A3 CURRENT RESEARCH IN STANDARD SETTING**
(Critique, Sheraton: Esterwood)
- A4 TEST THEORY FOR TESTS BASED ON COGNITIVE THEORY**
(Symposium—Co-Sponsor: AERA Division C #9.35, Marriott: Mardi Gras D)
- A5 NEW DEVELOPMENTS IN POLYCHOTOMOUS ITEM SCORING AND MODELING**
(Symposium—Co-Sponsor: AERA Division D #9.19, Marriott: Mardi Gras D)

10:35-12:05

- B1 AN HISTORICAL PERSPECTIVE ON KEY MEASUREMENT ISSUES**
(Invited Symposium, Sheraton: Aurora)
- B2 AN INVESTIGATION OF WRITING ASSESSMENT AND SCORING**
(Symposium, Sheraton: Ellendale)
- B3 TOPICS IN TEACHER TESTING**
(Critique, Sheraton: Esterwood)

12:25-1:55

- C1 PAST PRESIDENTS SPEAK ON THE ISSUES**
(Invited Symposium, Sheraton: Aurora)
 - C2 MINIMUM COMPETENCY TESTING**
(Critique, Sheraton: Ellendale)
 - C3 MULTI-PURPOSE TESTING: CAN ONE TEST SERVE TWO MASTERS**
(NATD Symposium, Sheraton: Esterwood)
-

2:15-3:45

- D1 ISSUES IN TEST USE**
(Critique, Sheraton: Aurora)
 - D2 SCHOOL AND TEACHER EFFECTIVENESS**
(Critique, Sheraton: Ellendale)
 - D3 NATD BUSINESS MEETING**
(Sheraton: Esterwood)
-

4:05-6:05

- E1 FACILITATING THE APPLICATION OF LARGE-SCALE ASSESSMENT RESULTS WITH MICROCOMPUTER SUPPORT**
(Symposium, Sheraton: Aurora)
 - E2 STANDARDIZED MEASURES WITHIN MINORITY POPULATIONS: RESEARCH AND POLICY ISSUES**
(Invited Symposium—Co-Sponsor: NCME Committee on Participation of Minorities, Sheraton: Ellendale)
 - E3 ISSUES IN ITEM ANALYSIS**
(Critique, Sheraton: Esterwood)
-

6:45-8:30

- F1 NO-HOST COCKTAIL PARTY AND RECEPTION**
(Sheraton: Bayside B)

THURSDAY

8:00-9:00

- G1 NCME BREAKFAST**
(Marriott: Mardi Gras D)
-

9:00-10:15

- H1 BUSINESS MEETING AND PRESIDENTIAL ADDRESS**
(Marriott: Mardi Gras H)
-

10:35-11:35

- I1 MEANING AND VALUES IN TEST VALIDATION:
THE SCIENCE AND ETHICS OF ASSESSMENT**
(Invited Address—Co-Sponsor: AERA Division D #18.33, Marriott:
Mardi Gras H)
-

12:25-1:55

- J1 OPTIMIZING INCOMPLETE SAMPLE DESIGN FOR
ESTIMATING IRT PARAMETERS**
(Symposium—Co-Sponsor: AERA Division D #28.20, Marriott: Mardi
Gras H)
- J2 TEST VALIDATION RESEARCH**
(Symposium—Co-Sponsor: AERA Division D #28.09, Marriott: Mardi
Gras C)
- J3 CLASSROOM VARIATIONS IN TESTING AND GRADE
ASSIGNMENT PRACTICES IN A SENIOR HIGH SCHOOL
MATHEMATICS COURSE**
(Symposium, Marriott: Jackson)
- J4 THE NAEP REPORT CARDS: THEORY, METHODS, AND
IMPLICATIONS FOR POLICY AND PRACTICE**
(Symposium—Co-Sponsor: AERA Division D #28.02,
Marriott: Bissonet)
- J5 REPORT OF THE JOINT COMMITTEE ON TESTING
PRACTICES (AERA, NCME, APA, AACD, ASHA)**
(Symposium—Co-Sponsor: AERA, Sheraton: Pontchartrain B)

1:15-1:55

- K1 ROUNDTABLES #11-15**
(Sheraton: Grand Ballroom D)
-

2:15-3:45

- L1 COMPUTERIZED TESTING**
(Critique, Marriott: Mardi Gras H)
- L2 TEST SPEEDEDNESS**
(Critique, Marriott: Mardi Gras C)
- L3 ORGANIZING STATE-WIDE ASSESSMENT GROUPS**
(Discussion, Marriott: Jackson)
- L4 PSYCHOMETRICS SENSITIVE TO LEARNING AND INSTRUCTION**
(Symposium—Co-Sponsor: AERA Divisions C and D #30.07, Marriott: Jackson)
- L5 PERFORMANCE ASSESSMENTS IN TEACHING: TOWARD A NEW GENERATION OF EXAMINATIONS**
(Symposium—Co-Sponsor: AERA Divisions D and K #30.05, Marriott: La Galerie 3)
-

4:05-6:05

- M1 RESEARCH ON DIFFERENTIAL ITEM FUNCTIONING**
(Critique, Marriott: Mardi Gras H)
- M3 MEASUREMENT ISSUES IN COMPETENCY TESTING**
(Critique, Marriott: Jackson)
- M4 MEASUREMENT SERVICES ASSOCIATION SYMPOSIUM AND ANNUAL BUSINESS MEETING**
(Symposium/Business Meeting—Sponsor: MSA, Marriott: Mardi Gras K)
-

4:15-6:15

- M2 RECENT APPLICATIONS OF ITEM RESPONSE THEORY**
(Critique, Marriott: Mardi Gras C)

FRIDAY

8:15-10:15

- N1 CLASSROOM ASSESSMENT RESEARCH AND TRAINING**
(Symposium—Co-Sponsor: AERA Division D, Sheraton: Aurora)
- N2 READING AND WRITING ASSESSMENT**
(Critique, Sheraton: Ellendale)
- N3 STUDENT COURSE-TAKING PATTERNS AND PERFORMANCE OF THE ACT ASSESSMENT**
(Symposium, Sheraton: Esterwood)
- N4 ITEM RESPONSE THEORY MEETS MULTIDIMENSIONAL TESTS**
(Symposium—Co-Sponsor: AERA Division D #36.38, Sheraton: Grand Ballroom C)
- N5 DETECTING DIFFERENTIALLY DIFFICULT TEST ITEMS AMONG SPECIAL TEST POPULATION**
(Symposium—Sponsor: Division #36.28, Sheraton: Rampart)
- N6 TEST RELIABILITY AND VALIDITY**
(Symposium—Co—Sponsor: AERA Division D #36.40, Sheraton: Bayside B)

10:35-11:35

- O1 AN OVERVIEW OF THE THIRD EDITION OF EDUCATIONAL MEASUREMENT**
(Invited Symposium—Co-Sponsor: AERA Division D #39.44, Sheraton: Aurora)

10:35-12:05

- O2 USE OF VALIDITY EVIDENCE IN THE CONSTRUCTION OF ACHIEVEMENT AND APTITUDE TESTS**
(Critique, Sheraton: Ellendale)
- O3 CUSTOMIZATION OF A NATIONAL STANDARDIZED ACHIEVEMENT TEST**
(NATD Symposium, Sheraton: Esterwood)

12:55-1:55

PI COMPUTER ATTITUDE SCALES

(Critique, Sheraton: Ellendale)

P2 TEST USER COMPETENCIES: RESEARCH AND APPLICATIONS

(Symposium—Co-Sponsor: AERA #41.47, Marriott: Mardi Gras J)

2:15-3:45

Q1 CLASSROOM TESTING

(Critique, Sheraton: Aurora)

Q2 THE USE OF THE ACT ASSESSMENT TO SELECT TALENTED SEVENTH GRADE YOUTH FOR SPECIAL ACADEMIC EXPERIENCES

(Symposium, Sheraton: Ellendale)

2:15-6:15

Q3 NCME TRAINING SESSION

(Sheraton: Esterwood)

FEE: \$10.00

4:05-6:05

R1 ADVANCES IN DIFFERENTIAL ITEM FUNCTIONING RESEARCH WITH THE SCHOLASTIC APTITUDE TEST

(Symposium—Co-Sponsor: AERA Division D #45.50, Sheraton: Aurora)

R2 ANALYSIS OF ITEMS AND TEST SCORES

(Critique, Sheraton: Ellendale)

R3 ISSUES IN THE ALIGNMENT OF CURRICULUM AND ASSESSMENT

(Symposium—Co-Sponsor: AERA Divisions C and D #45.49, Sheraton: Bayside B)

R4 REAPPRAISING NTE APPRAISAL PROCEDURES

(Symposium—Co-Sponsor: AERA Division D, Sheraton: Pontchartrain D)

4:00-6:30

R5 NCME BOARD OF DIRECTORS MEETING

(Marriott: Chartres)

Thursday 2:15-3:45

Marriott: Jackson

L3 ORGANIZING STATE-WIDE ASSESSMENT GROUPS
(Discussion)

Co-Chairs: Robert W. Lissitz, William Schafer, University of Maryland

Thursday 2:15-3:45

Marriott: Jackson

L4 PSYCHOMETRICS SENSITIVE TO LEARNING AND INSTRUCTION

(Symposium—Co-Sponsor: AERA Divisions C and D #30.07)

Organizer/Chair: Maurice M. Tatsuoaka, University of Illinois at Urbana-Champaign

Presenters:

Conjunctive Item Analysis: An Extension of Traditional Test Theory
Robert J. Jannarone, University of South Carolina

Estimation of Ability by IRT Models Allowing For Heterogeneous Instructional Background
Bengt O. Muthen, UCLA

Latent Class Analysis of Two Mathematics Achievement Tests
James A. Paulson, Portland State University

Item Response Theory, Latent Classes, and Rule Space
Kikumi Tatsuoaka, University of Illinois at Urbana-Champaign

A Model that Combines IRT and Latent Class Models
Kentaro Yamamoto, ETS

Discussants:

Bruce Bloxom, Defense Manpower Data Center
Rose E. Traub, OISE

Thursday 2:15-3:45

Marriott: La Galerie 3

**L5 PERFORMANCE ASSESSMENTS IN TEACHING: TOWARD A
NEW GENERATION OF EXAMINATIONS**

(Symposium—Co-Sponsor: AERA, Divisions D and K #30.05)

Organizer/Chair: Linda Darling-Hammond, RAND Corporation

Presenters:

Policy Context for New Approaches to Teacher Assessment

Lee Shulman, Stanford University

Capturing the Wisdom of Practice

Gaea Leinhardt, LRDC

Quantifying the Wisdom of Practice

Edward H. Haertel, Stanford University

Planning the Pedagogical Decathlon

S.M. Wilson, Michigan State University

Discussant:

Richard J. Stiggins, NWREL

Marriott: Mardi Gras H

M1 RESEARCH ON DIFFERENTIAL ITEM FUNCTIONING
(Critique)

Chair: Janice Scheuneman, ETS

Presenters:

Investigating the Stability of Five Methods for Estimating Item Bias
Carole L. Perlman, Nikolaus Bezruczko, Linda K. Junker, Arthur J. Reynolds, William K. Rice, E. Matthew Schultz, Chicago Public Schools

Differential Item Performance between Mexican-American ESL Students and White Non-ESL Students on Mathematics and English Usage Examinations

Sherrri K. Miller, Allen E. Doolittle, Terry A. Ackerman, ACT

Differential Item Familiarity in Graduate Admissions Mathematics Test
Richard M. Smith, American Dental Association

Effects of Item Wording on Gender Bias

Joy R. McLarty, Candace Noble, Renee Huntley, ACT

An Analysis of Differential Item Performance Indices as a Function of Curriculum and Socioeconomic Status

David W. Osberg, Jeffrey A. Slinde The Riverside Publishing Company; Nambury S. Raju, Illinois Institute of Technology

Discussants:

Ronald K. Hambleton, University of Massachusetts

Loretta Shepard, University of Colorado

Thursday 4:15-6:15

Marriott: Mardi Gras C

**M2 RECENT APPLICATIONS OF ITEM RESPONSE THEORY
(Critique)**

Chair: Kikumi Tatsuoka, University of Illinois, Champaign-Urbana

Presenters:

Moving from the Rasch Model: A Heuristic Procedure

G. Gage Kingsbury, Portland Public Schools

An Investigation of Item Information Function Estimation Accuracy in the Three-Parameter Logistic Model

David R. Palmer, William R. Koch, The University of Texas at Austin

A Component Analysis of the Factors Influencing the Difficulty of Perceptual Ability Items

Richard M. Smith, Gene A. Kramer, American Dental Association

Confirmatory Analysis of Test Structure Using Multidimensional IRT

Robert L. McKinley, Neal M. Kingston, ETS

Discussants:

Ross Traub, OISE

Wendy Yen, CTB/McGraw Hill

Thursday 4:05-6:05

Marriott: Jackson

**M3 MEASUREMENT ISSUES IN COMPETENCY TESTING
(Critique)**

Chair: JoEllen Perez, ACT

Presenters:

The Selection of Critical Errors on a Medical School Certifying Examination

Dorthea Juul, University of Illinois at Chicago, Erich H. Loewy, University of Illinois College of Medicine at Peoria

Assessing the Construct Validity of a Life-Skills Competency Test

Arthur J. Reynolds, Chicago Public Schools

Estimating Norm-referenced Scores from a Criterion-referenced Test: An Application of the ORT

Sharon F. Schattgen, Steven J. Osterlind, University of Missouri-Columbia

Discussants:

Esther E. Diamond, Consultant

Scott Elliot, NES

Thursday 4:05-6:05

Marriott: Mardi Gras K

**M4 MEASUREMENT SERVICES ASSOCIATION SYMPOSIUM
AND ANNUAL BUSINESS MEETING**
(Symposium/Business Meeting—Sponsor: MSA)

FRIDAY

Friday 8:15-10:15

Sheraton: Aurora

N1 CLASSROOM ASSESSMENT RESEARCH AND TRAINING
(Symposium—Co-Sponsor: AERA, Division D)

Organizer/Chair: Richard J. Stiggins, NWREL

Presenters:

The Nature and Quality of Student Evaluation Research
Gary Natriello, Columbia University

Classroom Standard Setting and Grading Practices
James S. Terwilliger, University of Minnesota

The Current Status of Teacher Training in Measurement
William D. Schafer, University of Maryland

The Nature and Quality of Teacher-Developed Classroom Assessments
Richard J. Stiggins, NWREL

Discussant:

Ann Chafin, Council of Chief State School Officers
Marcella Dianda, NEA

Friday 8:15-10:15

Sheraton: Ellendale

N2 READING AND WRITING ASSESSMENT

(Critique)

Chair: Douglas R. Whitney, ACE

Presenters:

Estimating Reading Vocabulary Size: An Example of Function-Specific Test Development

Dana Broach, University of Tulsa; Ralph A. Hanson, Hanson Research Systems; Donna F. Seigel, University of Tulsa

Design and Development of the Reading Biographer: An Application of Function Specific Assessment

Ralph A. Hanson, Hanson Research Systems; Donna F. Siegel, University of Tulsa

Reading Comprehension Instruction Assessment System

Jayne H. Hartman, Lore A. Nielsen, Hillsborough County Public Schools

Effects of Art on First Grade Reading Comprehension Test Items

Donata Renfrow, Linda Hansche, Georgia State University

The Development of a Single Writing Scale for Assessing Writing Skills in Grades 2-12

Gary J. Robertson, Jing-Jen Wang, Elizabeth Rengel, American Guidance Service; Frederick Markwardt, Jr., Lindbom & Associates

Discussants:

Kalle Gerritz, ETS

Stephen Ivens, College Board

Friday 8:15-10:15

Sheraton: Esterwood

**N3 STUDENT COURSE-TAKING PATTERNS AND
PERFORMANCE ON THE ACT ASSESSMENT**
(Symposium)

Organizer/Chair: Joyce R. McLarty, ACT

Presenters:

*Student Course-Taking Patterns and Performance on the ACT Assessment
in Mathematics*

Allen Doolittle, ACT

*Student Course-Taking Patterns and Performance on the ACT Assessment
in English*

Renne Huntley, ACT

*Student Course-Taking Patterns and Performance on the ACT Assessment
in Science*

Candace Noble, ACT

*Student Course-Taking Patterns and Performance on the ACT Assessment
in Social Studies*

Joyce R. McLarty, ACT

Discussants:

Thomas Saterfiel, Mississippi State Department of Education

Friday 8:15-10:15

Sheraton: Grand Ballroom C

**N4 ITEM RESPONSE THEORY MEETS
MULTIDIMENSIONAL TESTS**

(Symposium—Co-Sponsor: AERA Division D #36.38)

Organizer/Chair: Bert F. Green, Jr., The Johns Hopkins University

Presenters:

Errors of Approximation in an Adaptive Estimate of a Multidimensional Latent Trait

Bruce Bloxom, Defense Manpower Data Center

Some Effects of Applying Unidimensional IRT to Multidimensional Tests

Valerie A. Greaud, Syracuse University

Measurement Bias in the Application of a Unidimensional Model to Multidimensional Item-Response Data

Ming-Mei Wang, The University of Iowa

Confirmatory Multidimensional Item Response Theory

Neal M. Kingston and Robert L. McKinley, ETS

Discussants:

Hariharan Swaminathan, University of Massachusetts

Robert Mislevy, ETS

Friday 8:15-10:15

Sheraton: Rampart

**N5 DETECTING DIFFERENTIALLY DIFFICULT TEST ITEMS
AMONG SPECIAL TEST POPULATION**

(Symposium—Co-Sponsor: AERA Division D #36.28)

Organizer: Dean Arrasmith, New Mexico Department of Education

Chair: Carroll Hall, New Mexico Department of Education

Presenters:

Methods for Detecting Differentially Difficult Test Items

Ronald Hambleton, H. Jane Rogers, University of Massachusetts

Use of the Mantel-Haenszel Statistic With Test Data From Welfare Applicants

John Martois, Los Angeles County Office of Education

Use of the Mantel-Haenszel Statistic With Test Data from Anglo, Hispanic and Native American High School Students

Dean Arrasmith, New Mexico Department of Education

Relationship Between Cultural Review of Test Items and the Mantel-Haenszel Statistic

Gerard Dizino, New Mexico Department of Education

Discussant:

Paul Holland, ETS

Friday 8:15-10:15

Sheraton: Bayside B

N6 TEST RELIABILITY AND VALIDITY

(Symposium—Co-Sponsor: AERA Division D #36.40)

Organizer/Chair: Reed Williams, Southern Illinois University

Presenters:

When Novices Take a Professional Licensing Test

Stephen P. Klein, The RAND Corporation

The Validity of Ability Estimates in Item Response Theory

Judy A. Shea, John J. Norcini, American Board of Internal Medicine

Are We Giving Good Advice About Test Consistency/Length?

John J. Norcini, Judy A. Shea, David B. Swanson, American Board of Internal Medicine

Validity and Accuracy in Methods of Scoring Clinical Performance

Nu V. Vu, Patricia A. Lee, David E. Steward, Southern Illinois University

Discussants:

Ronald A. Berk, Johns Hopkins University

Samuel A. Livingston, ETS

Friday 10:35-11:35

Sheraton: Aurora

O1 AN OVERVIEW OF THE THIRD EDITION OF EDUCATIONAL MEASUREMENT

(Invited Symposium—Co-Sponsor: AERA Division D #39.44)

Organizer/Chair: Robert Linn, University of Colorado

Presenters:

Overview

Robert Linn, University of Colorado

Computerized Educational Measurement

Victor Bunderson, ETS

Reliability

Robert Brennan, ACT

Friday 10:35-12:05

Sheraton: Ellendale

**O2 USE OF VALIDITY EVIDENCE IN THE CONSTRUCTION OF
ACHIEVEMENT AND APTITUDE TESTS**
(Critique)

Chair: Herbert C. Rudman, Michigan State University

Presenters:

*Effects of Statistical and Judgmental Weightings of Task Analysis Data on
Test Specifications*

Cynthia B. Schmeiser, ACT

*A Methodology for Establishing Content Validity of Achievement
Measures in Specific Disciplines*

James S. Terwilliger, University of Minnesota

Narrow Information Knowledge Tests: Evidence of Validity and Bias

Mary Roznowski, Ohio State University

Discussant:

Carol Dwyer, ETS

Friday 10:35-12:05

Sheraton: Esterwood

**O3 CUSTOMIZATION OF A NATIONAL STANDARDIZED
ACHIEVEMENT TEST**
(NATD Symposium)

Organizer/Chair: Jane Canner, New York City Board of Education

Presenters:

Norm Referenced Test Customization—A Publishers Viewpoint

John Keene, The Psychological Corporation

*Norm-Referenced Test Customization—Validation of Individual Score
Interpretation*

Lucille Dungan, The Psychological Corporation

*Norm-Referenced Test Customization—Considerations of a School
System's Assessment Office*

Elizabeth Taleporos, New York City Board of Education

Norm-Referenced Test Customization—Curricular Considerations

Constance Goldsby, New York City Board of Education

Discussants:

Ronald K. Hambleton, University of Massachusetts

James Lytle, The School District of Philadelphia

Friday 12:55-1:55

Sheraton: Ellendale

P1 COMPUTER ATTITUDE SCALES

(Critique)

Chair: Steven Wise, University of Nebraska

Presenters:

A Test of the Factor Structure Invariance of the Computer Attitude Scale over Several Grouping Conditions

Deborah L. Bandalos, Jeri Benson, University of Maryland

Factor Analytic Validation of Four Computer Attitude Scales

Barbara G. Ferrell, Texas Woman's University

Discussant:

G. Gage Kingsbury, Portland Public Schools

Friday 12:25-1:55

Marriott: Mardi Gras J

P2 TEST USER COMPETENCIES: RESEARCH AND APPLICATIONS

(Symposium—Co-Sponsor: AERA #41.47)

Organizer: Lorraine D. Eyde, U.S. Office of Personnel Management

Chair: William A. Mehrens, Michigan State University

Participants:

A Database for Establishing Test User Qualifications

Lorraine D. Eyde, U.S. Office of Personnel Management

The Development of a Test Purchaser Qualification Form for Educational Tests

Gary J. Robertson, American Guidance Service

A Research Based Test-User Qualification Form for Psychological Tests

Kevin L. Moreland, NCS Professional Assessment Services

Ernest S. Primoff, Consultant

Friday 2:15-3:45

Sheraton: Aurora

Q1 CLASSROOM TESTING
(Critique)

Chair: Gregory Shannon, ACE

Presenters:

Psychometric Characteristics of University Instructor-Developed Tests
Allan S. Cohen, William M. Reynold, University of Wisconsin

*An Analysis of Teacher-Made Tests: Testing Practices, Cognitive Demands,
and Item Construction Errors*

Ronald N. Marso, Fred L. Pigge, Bowling Green State University

An Exploratory Study of Self-Tailored Tests

David T. Morse, Mississippi State University

Discussants:

Carol Robinson, Albuquerque Public Schools

Ralph W. Tyler, Consultant

Friday 2:15-3:45

Sheraton: Ellendale

**Q2 THE USE OF THE ACT ASSESSMENT TO SELECT
TALENTED SEVENTH GRADE YOUTH FOR SPECIAL
ACADEMIC EXPERIENCES**

(Symposium)

Organizer/Chair: James E. Maxey, ACT

Presenters:

The Association Between ACT and SAT for Talented Seventh Grade Examinees

Richard Sawyer, American College Testing Program; Paul
Brounstein, Talent Identification Program, Duke University

*College Entrance Test Score and Demographic Profiles Information for
Talented Seventh Grade Youth*

Julia Dreyden, Gordon Stanley, TIP, Duke University

*Measures of Validity Between the ACT Assessment and Other
Achievement Variables for Precocious Seventh Grade Youth*

Jim Maxey, ACT; Julia Dreyden, TIP, Duke University

*The ACT Assessment as a Measure for Identifying Talented Seventh
Grade Youth*

Gordon Stanley, Duke University; Ann York, ACT

Discussant:

T. Anne Cleary, University of Iowa

Q3 NCME TRAINING SESSION,

Course C, 2:15-6:15

FEE \$10.00

Sheraton: Esterwood

TEACHING MEASUREMENT CONCEPTS TO TEACHERS

Instructors:

Richard J. Stiggins, Northwest Regional Educational Laboratory;
Peter Airasian, Boston College

Sheraton: Aurora

R1 ADVANCES IN DIFFERENTIAL ITEM FUNCTIONING RESEARCH WITH THE SCHOLASTIC APTITUDE TEST
(Symposium—Co-Sponsor: AERA Division D #45.50)

Organizer/Chair: David J. Wright, ETS

Presenters:

Differential Item Functioning of SAT-Verbal Reading Subscore Items for Male and Female Examinees

Ida M. Lawrence, W. Edward Curley, Frederick J. McHale, ETS

Sex Differences on the Scholastic Aptitude Test—Mathematical: A Study of Differential Item Functioning

Frederick J. McHale, Carol Jackson, ETS

Experimental Evaluation of Language and Interest Factors Related to Differential Item Functioning for Hispanic Examinees on the SAT—Verbal Test

Alicia P. Schmitt, W. Edward Curley, Carole A. Bleistein,
Nancy Anderson ETS

Differential Speededness: Some Items Have DIF because of Where They Are, Not because of What they Are

Neil J. Dorans, Alicia P. Schmitt, W. Edward Curley, ETS

Discussants:

Linda Crocker, University of Florida

Gwyneth Boodoo, Texas A & M University

Sheraton: Ellendale

R2 ANALYSIS OF ITEMS AND TEST SCORES

(Critique)

Chair: Audrey L. Qualls-Payne, SRA

Presenters:

Applications of Test Score Distribution Estimation Methods
Michael J. Kolen, ACT

Why Formula Scoring Works As Well As It Does: A Simulation Study
Robert B. Frary, Virginia Polytechnic Institute & State University

*Consistency of Classifications Based on Composite Scores—How
Accurately Can We Estimate It?*
Samuel A. Livingston, ETS

*A Comparison of Phi and Tetrachoric Correlations in Factor Analyses of
Dichotomous Items*
Cathy L. Wendler, ETS

The Rise and Fall of Phi/Phimax
Ernest C. Davenport Jr., University of Minnesota

Discussants:

Edward Haertel, Stanford University

Brenda H. Loyd, University of Virginia

Sheraton: Bayside B

**R3 ISSUES IN THE ALIGNMENT OF CURRICULUM
AND ASSESSMENT**

(Symposium—Co-Sponsor: AERA Divisions C and D #45.49)

Organizer/Chair: James Smith, California Department of Education

Presenters:

Power Items for Test and Curriculum Alignment

Tej Pandey, Dale Carlson, California Department of Education

Alternative Methods for Accessing Mathematics Curriculum

Thomas Romberg, Norman Webb, Center for Education Research,
University of Wisconsin

Potential Advances in Item Scoring and Administration

Charles Woodson, Institute of Cognitive Studies, UC-Berkeley

Technical Issues Related to Alignment of Test and Curriculum

David Wiley, Northwestern University

Discussants:

Phil Daro, California Math Projects, UC-Berkeley

Robert Linn, University of Colorado—Boulder

Friday 4:05-6:05

Sheraton: Pontchartrain D

R4 REAPPRAISING NTE APPRAISAL PROCEDURES

(Symposium—Co-Sponsor: AERA Division D)

Organizer: W. James Popham, UCLA and IOX

Chair: Terrence C. Janicki, South Carolina Department of Education

Participants:

NTE Appraisals: The ETS Perspective

Carol A. Dwyer, ETS

An NTE Appraisal Shift: From Adequacy-of-Preparation to Job-Relevance

Karin K. Coyle, IOX

Alternative Data Collection and Analysis Methods for NTE Appraisals

Robert E. Carlson, Karin K. Coyle, IOX

A Retrospective Review of NTE Appraisal Strategies

Lawrence H. Cross, VPI and SU

Redefining Validation of the NTE: Connecticut Takes the Lead

Gail Tomala, Connecticut State Department of Education

Discussants:

Gerald E. DeMauro, ETS

W. James Popham, UCLA and IOX

Friday 4:00-6:30

Marriott: Chartres

R5 NCME BOARD OF DIRECTORS MEETING

Members are invited to attend as observers.

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| Shulman, L. | L5 | Whitney, D.R. | N2 |
| Slaughter, F. | C2 | Wiley, D. | R3 |
| Slaughter, R.E. | E3 | Willhoft, J. | C2 |
| Slinde, J.A. | M1 | Williams, B. | A5 |
| Smith, J. | R3 | Williams, R. | N6 |
| Smith, R.M. | M1, M2 | Wilson, S.M. | L5 |
| Snow, R.E. | A4 | Wimmers, E. | J2 |
| Sonnenschein, J.L. | B2 | Winfield, L. | E2 |
| Sopko, C.J. | B2 | Wise, S.L. | L1, P1 |
| Spiro, R. | A4 | Wiser, B.J. | B2 |
| Stanley, G. | Q2 | Womer, F.B. | C1 |
| Steinberg, L. | A5 | Woodson, C. | R3 |
| Stevens, F.I. | C3 | Wright, B.D. | A3 |
| Stevenson, J.W. | C2, E2 | Wright, D.J. | R1 |
| Steward, D.E. | N6 | Yamamoto, K. | L4 |
| Stiggins, R.J. | J3, L5, N1, Q3 | Yen, W.M. | A1, M2 |
| Subkoviak, M.J. | A3 | York, A. | Q2 |
| Subramanian, G. | D2 | Zieky, M. | J5 |
| Swaminathan, H. | A1, N4 | | |
| Swanson, D.B. | N6 | | |
| Sympson, J.B. | A5 | | |
| Taft, H.L. | J2 | | |
| Taleporos E. | O3 | | |
| Tatsuoka, K. | L4, M2 | | |
| Tatsuoka, M.M. | L4 | | |
| Terwilliger, J.S. | N1, O2 | | |
| Thissen, D. | A5 | | |
| Tittle, C.K. | H1, J5 | | |
| Tomala, G.A. | R4 | | |
| Traub, R.E. | A1, J3, L4, M2 | | |
| Twing, J.S. | A2 | | |

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