

National Council on Measurement in Education

1978 ANNUAL MEETING

PROGRAM

Sheraton Centre and Royal York Hotels
Toronto, Ontario
March 28 - 30, 1978

NATIONAL COUNCIL ON MEASUREMENT IN EDUCATION

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EDITORS

Journal of Educational Measurement: Lorrie Shepard, University of Colorado
Measurement News: Ann Z. Smith, Princeton, N.J.
Measurement in Education: Paul S. Redelheim, George Peabody College
for Teachers

*Now at Addison-Wesley

HIGHLIGHTS OF THE 1978 ANNUAL MEETING

BOARD OF DIRECTORS' MEETING — members are invited to attend as observers.

Monday, March 27, 10:00 a.m. — 6:00 p.m., Carleton Room, Sheraton Centre
Thursday, March 30, 7:00 a.m. — 11:00 a.m., Carleton Room, Sheraton Centre

NO-HOST COCKTAIL PARTY AND RECEPTION FOR MEMBERS AND GUESTS

Tuesday, March 28, 6:30 p.m. — 8:30 p.m., Regency Suite, Royal York

NCME ANNUAL BREAKFAST AND BUSINESS MEETING

Wednesday, March 29, 8:00 a.m. — 10:15 a.m., Canadian Room, Royal York

COMMITTEE-ORGANIZED SYMPOSIA

Session 2A: **Standardized Achievement Tests: What do They Tell Us? What do We Need to Know?**

Tuesday, March 28, 10:35 a.m. — 12:05 p.m.,
Theatre 2, Sheraton Centre

Session 7A: **Report of Committee on Goals and Directors**

Wednesday, March 29, 10:35 a.m. — 12:05 p.m.,
Tudor 7 & 8, Royal York

Session 9A: **Report of Committee on Measurement Competency**

Wednesday, March 29, 2:15 p.m. — 3:45 p.m.,
Tudor 7 & 8, Royal York

INVITED ADDRESS by Rogert T. Lennon: PERSPECTIVES ON INTELLIGENCE TESTING

Session 13A: Thursday, March 30, 12:25 p.m. — 1:55 p.m.,
Theatre 2, Sheraton Centre

SINGLE PAPER SESSIONS

Session 3B: **A Proposed Solution to the Validity Problem**

Tuesday, March 28, 12:25 p.m. — 1:55 p.m.,
York, Sheraton Centre

Session 12A: **Recent Legal and Other Developments Affecting Testing**

Thursday, March 30, 10:35 a.m. — 12:05 p.m.,
Theatre 2, Sheraton Centre

PROGRAM SUMMARY

	Tuesday (Sheraton Centre)	Wednesday (Royal York)	Thursday (Sheraton Centre)
8:45-10:15	<p>1A Admissions and Placement Testing (P) (Theatre 2)</p> <p>1B Estimating and Reporting Scores (P) (York)</p> <p>1C Student Ratings of Instruction (P) (9:15-10:15) (Peel)</p>	<p>6 NCMC Annual Breakfast and Business Meeting (8:00-10:15) (Canadian Room)</p> <p>Presidential Address: "Bias," Eric F. Gardner</p>	<p>11A Issues and Problems in Measuring the Effects of Labels (S) (Theatre 2)</p> <p>11B Testing for Minimum Competency (P) (9:15-10:15) (York)</p>
10:35-12:05	<p>2A Standardized Achievement Tests: What Do They Tell Us? What Do We Need to Know? (S) (Theatre 2)</p> <p>2B Reliability and Validity Studies (P) (York)</p> <p>2C External Influences on Test Performance (P) (Peel)</p>	<p>7A Goals and Directions of NCMC (S) (Tudor 7 & 8)</p> <p>7B Latent Trait Models (P) (Confederation 6)</p> <p>16.24 Empirical Evaluations of Various Approaches for Identifying Biased Test Items (S) Div. D. (Territories)</p>	<p>12A Recent Legal and Other Developments Affecting Testing (SP) (Theatre 2)</p> <p>12B Item Analysis and Construction (P) (York)</p> <p>24.05 The Use of Longitudinal Test Data in a Study of U.S. Primary and Secondary Educational Process (S) Div. H. (Ballroom West)</p>
12:25-1:55	<p>3A Criterion-References Tests: Technical Considerations (P) (Theatre 2)</p> <p>3B A Proposed Solution to the Validity Problem (SP) (York)</p>	<p>8A Teaching Techniques for Introductory Educational Measurement (S) (Tudor 7 & 8)</p> <p>8B Michigan Educational Assessment and Testing (P) (Confederation 6)</p>	<p>13A Invited Address (SP) (Theatre 2) Roger T. Lennon</p> <p>25.06 Investigating Family and Mental Ability: Methods and Findings (S) Div. D (Civic Ballroom)</p>

2:15-3:45	<p>4A Criterion-Referenced Tests: Reliability (P) (Theatre 2)</p> <p>4B The Measurement and Impact of Educational Cognitive Style (S) (York)</p> <p>4C Factor Analytic Studies (P) (Peel)</p>	<p>9A Report of Committee on Measurement Competency (S) (Tudor 7 & 8)</p> <p>9B Measurement in the Affective Domain (P) (Confederation 6)</p>	<p>14A Evaluations of Tests and Test-Users (P) (Theatre 2)</p> <p>14B Optical Mark Readers for Testing Centers: Complex Free-standing Scanners Versus Simple Externally Controlled Scanners (S) (York)</p> <p>26.06 Item Writing for Domain-Referenced Tests: Recent Developments (S) Div. D (Civic Ballroom)</p>
4:05-5:35	<p>5A Issues Affecting the Validity and Use of Student Ratings of Instruction (S) (Windsor East)</p> <p>5B Test Construction (P) (York)</p> <p>5C Sex Bias: Measurement and Findings (P) (Peel)</p> <p>11.09 Fair Employment vs. Licensing and Certification: Legal Tensions and Applied Research and Development (S) Div. D (Simcoe)</p>	<p>10A Major Applications of the Rasch Latent Trait Model (S) (4:05-6:05) (Tudor 7 & 8)</p> <p>10B Rating of Essays (P) (4:05-5:05) (Confederation 6)</p>	<p>15A Association of Test Directors (Windsor East)</p> <p>15B Informal Meeting of Test Scoring Personnel (York)</p>

DETAILED PROGRAM

- (P) indicates paper session
(S) indicates symposium
(SP) indicates single paper
-

Thank you for not smoking at any of the sessions.

Tuesday, March 28
Theatre 2 (Sheraton Centre)
8:45-10:15

SESSION 1A: ADMISSIONS AND PLACEMENT TESTING (P)

Moderator: James A. Brown, New York State Education Department

*Application of Factor Extension Analysis to Restructuring A
National Admissions Testing Program*

Donald E. Powers and Spencer S. Swinton, Educational
Testing Service

*Procedures for Facilitating the Admission of Blacks to Law
School*

Norman P. Uhl and Linda K. Pratt, North Carolina Central
University

Methods of Evaluating Course Placement Systems

Earl J. Ku and David A. Frisbie, University of Illinois – Urbana

Placement Tests to Support Instructional Programs

Ralph A. Hanson, Barbara T. Meguro, and Jerry D. Bailey,
SWRL Educational Research and Development

Discussants: Douglas Whitney, University of Iowa
Leonard L. Baird, Educational Testing Service

Tuesday, March 28
York (Sheraton Centre)
8:34-10:15

SESSION 1B: ESTIMATING AND REPORTING SCORES (P)

Moderator: N. James Myerberg, Montgomery County (MD) Public Schools

Development of a Multiple Matrix Sampling Assessing Program for a School District

Carl D. Novak, Nebraska Educational Service Unit No. 18 and Dean Austin, Lincoln (Nebraska) Public Schools

Estimating Total-Test Scores from Partial Scores in a Matrix Sampling Design

Jane Sachar, Navy Personnel Research and Development Center

Smoothing of Test Score Profiles via Quadratic Assignment

Frank B. Baker and Lawrence J. Hubert, University of Wisconsin

Discussants: Thomas R. Knapp, The University of Rochester
Richard K. Hill, California Department of Education

Tuesday, March 28
Peel (Sheraton Centre)
9:15-10:15

SESSION 1C: STUDENT RATINGS OF INSTRUCTION (P)

Moderator: Mary A. Fruen, National Center for Health Services Research

Validation of an Item Classification Scheme for a Student Rating Item Catalogue

Dale C. Brandenburg, Sharon Derry, and Dennis Hengstler, University of Illinois – Urbana

Student Ratings: Validity and Timing

Marilyn A. Mendelson, James H. Hardin, and Stephen D. Canaday, Medical University of South Carolina

Discussant: Edward F. Kelly, Syracuse University

Tuesday, March 28
Theatre 2 (Sheraton Centre)
10:35-12:05

SESSION 2A: STANDARDIZED ACHIEVEMENT TESTS: WHAT DO THEY TELL US? WHAT DO WE NEED TO KNOW? (S)

Organizer: Herbert C. Rudman, Michigan State University

Participants: J. Thomas Hastings, University of Illinois – Urbana
Eugenia Kemble, American Federation of Teachers
Matthew W. Prophet, Lansing (Michigan) School District
Alan Purves, University of Illinois – Urbana

Tuesday, March 28
York (Sheraton Centre)
10:35-12:05

SESSION 2B: RELIABILITY AND VALIDITY STUDIES (P)

Moderator: Barbara H. Mowder, SUNY-Albany

Assessing the Generalizability of Clinical Rating Scales Within Factorial Designs: An Application of the Cardinet Model

William Evans and C. Gene Cayten, University of Pennsylvania
Susan Rindler, Northeastern University

Reliability and Validity of Alternate Forms of the Dominoes Test (D-48 and D-70)

Brad Chissom and Frank Miller, Texas A & M University
Paulette J. Thomas, University of New Orleans

Assessing the School Environment: Predicting the Student's Point of View

Mark L. Perkins, Old Dominion University

Discussants: John R. Hills, Florida State University, Tallahassee
Mark D. Reckase, University of Missouri – Columbia

Tuesday, March 28
Peel (Sheraton Centre)
10:35-12:05

SESSION 2C: EXTERNAL INFLUENCES ON TEST PERFORMANCE (P)

Moderator: Dannie Franklin, St. Louis Public Schools

*Strategy for Improving Standardized Test Performance:
Modeling and Affectivity*

John T. Flynn, Barbara E. Anderson, and Raymond Webster,
University of Connecticut

*Self-Paced Versus Paced Evaluation Utilizing Computerized
Tailored Testing*

Wayne M. Patience and Mark D. Reckase, University of
Missouri-Columbia

The Effect of Choice Format on Internal Consistency

Margaret B. Weber, Emory University

*A Study of the Optimal Answer Sheet Identification Grid
Design*

Peter Wolmut, Multnomah County Intermediate Education
District

Discussants: Gilbert Sax, University of Washington
Ross E. Traub, Ontario Institute for Studies in Education

Tuesday, March 28
Theatre 2 (Sheraton Centre)
12:25-1:55

SESSION 3A: CRITERION-REFERENCED TESTS: TECHNICAL CONSIDERATIONS (P)

Moderator: Donald F. Burrill, Ontario Institute for Studies in Education

Emrick's Model as a Basis for Determining an Optimal Criterion Score and a Ratio of Regret in a Mastery Testing Situation

Glenn M. Hymel, Loyola University
W. George Gains, Pro Date Ltd.

Standard-Setting for Criterion-Referenced Teacher Licensing Tests

Paula M. Nassif, National Evaluation Systems, Inc.

A Consumer's Guide to Criterion-Referenced Test Item Statistics

Ronald A. Berk, The John Hopkins University



Criteria for Evaluating Criterion-Referenced Tests and Test Manuals

Ronald K. Hambleton and Daniel Eignor, University of Massachusetts

Discussants: Glenn E. Roudabush, CTB/McGraw-Hill
Richard J. Rovinelli, American Board of Family Practice

Tuesday, March 28
York (Sheraton Centre)
12:25-1:55

SESSION 3B: A PROPOSED SOLUTION TO THE VALIDITY PROBLEM (SP)

Speaker: Robert L. Ebel, Michigan State University

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

Tuesday, March 28
Theatre 2 (Sheraton Centre)
2:15-3:45

SESSION 4A: CRITERION-REFERENCED TESTS: RELIABILITY (P)

Moderator: William L. Curlette, Georgia State University, Atlanta

An Empirical Comparison of Methods of Determining Reliability of Criterion-Referenced Tests.

Barbara Hummel-Rossi and Rivka Oldak, New York University

A New Index for the Accuracy of a Criterion-Referenced Test

D. R. Divgi, Syracuse University

Reliability of Tests Used to Make Pass/Fail Decisions: Answering the Right Questions

Samuel A. Livingston, Educational Testing Service

Discussants: Michael J. Subkoviak, University of Wisconsin, Madison
Huynh Huynh, University of South Carolina

Tuesday, March 28
York (Sheraton Centre)
2:15-3:45

**SESSION 4B: THE MEASUREMENT AND IMPACT OF EDUCATIONAL
COGNITIVE STYLE (S)**

Organizer: Richard J. Stiggins, American College Testing Program

Moderator: Irvin J. Lehmann, Michigan State University

Cognitive Style Research: A Historical Perspective

Richard J. Stiggins, American College Testing Program

Training Teachers in the Use of Educational Cognitive Style Data

Linda Henderson, Terra Technical College

*The Development and Analysis of Instruments to Measure
Educational Cognitive Style*

Cynthia B. Schmeiser, American College Testing Program

*An Evaluation of the Relationship Between Style Measurement
and Educational Outcomes*

Barbara S. Plake, University of Nebraska

Discussant: David E. Hunt, Ontario Institute for Studies in Education

SESSION 4C: FACTOR ANALYTIC STUDIES (P)

Moderator: Jane Sachar, Navy Personnel Research and Development Center,
San Diego, California

*Dimensionality of "Concrete" and "Abstract" Achievement
Test Items*

Judith J. Johnson and Clinton I. Chase, Indiana University

*An Investigation into Standardized Testing and Program
Evaluation*

Elizabeth F. Sanderson, SUNY at Albany

*Do Standardized Tests and Teacher Judgment Provide
Redundant Information?*

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

*Construct Validity: Choosing the Appropriate Factor Analytic
Solution for Developing Subscales on a Self-Concept Instrument*

Linda Crocker and Behrokh Ahmadi, University of Florida

Discussants: Robert Lissitz, University of Georgia
Robert K. Gable, University of Connecticut

**SESSION 5A: ISSUES AFFECTING THE VALIDITY AND USE OF
STUDENT RATINGS OF INSTRUCTION (S)**

Organizer: William M. McCook, University of Connecticut

Moderator: Gail Tomala, University of Connecticut

Classroom Seating Patterns and Student Ratings

Steven Owen, University of Connecticut

*Validation of a Low Inference Rating Scale for Teacher
Attitude Toward Students for Use at the Middle School Level*

Robin Froman, University of Connecticut

*An Investigation of the Relationship Between Field
Dependence – Field Independence Cognitive Style
and Student Ratings of Instruction*

William M. McCook, Walter Pawelkiewicz, and Raymond
Pechione, University of Connecticut

Influence of Instructor Expressiveness on Student Ratings

Robert S. Meier, University of Texas Medical Branch –
Galveston

John F. Feldhusen, Purdue University

Discussant: Lawrence Aleamoni, University of Arizona

Tuesday, March 28
York (Sheraton Centre)
4:05-5:35

SESSION 5B: TEST CONSTRUCTION (P)

Moderator: Ronald E. Leshner, New Jersey Department of Education

Passage Dependence of Reading Comprehension Items Having a One-Question-Per-Passage Format

Thomas R. Oaster, Eastern Montana College
Gerald S. Hanna, Kansas State University

Are Vocabulary Subscores Justified?

Gerald S. Hanna, Kansas State University
Edward C. Drahozal, Houghton Mifflin Company

Pictorial Sequences as the Basis for Tests of Reasoning

Thomas F. Donlon, Educational Testing Service
Thomas A. Widiger, Miami University

Discussants: Roger Farr, University of Indiana
Harold G. Levine, University of Texas Medical Branch – Galveston

Tuesday, March 28
Peel (Sheraton Centre)
4:05-5:35

SESSION 5C: SEX BIAS: MEASUREMENT AND FINDINGS (P)

Moderator: Samuel T. Mayo, Loyola University, Chicago

Measurement of Sex Roles: What Are We Really Measuring?

Susan Thomas, Florida State University

An Investigation of the Iowa Tests of Basic Skills Mathematics and Vocabulary Tests for Sex Biasness: A Developmental Look

Barbara S. Plake, University of Nebraska
H. D. Hoover, University of Iowa
Brenda Loyd, University of Nebraska

Gender Balance Analysis of Metropolitan Achievement Tests, 1978 Edition

Marjane Jensen, Indiana University
Michael D. Beck, The Psychological Corporation

Discussants: Esther E. Diamond, Science Research Associates
Carol K. Tittle, City University of New York

Tuesday, March 28
Simcoe (Sheraton Centre)
4:05-5:35

**SESSION 11:09: FAIR EMPLOYMENT VS. LICENSING AND
CERTIFICATION: LEGAL TENSIONS AND APPLIED
RESEARCH AND DEVELOPMENT (S)**

Organizer: Paul S. Pottinger, National Center for the Study of Professions

General Legal Theory: The Overview

Bruce D. Sales, University of Nebraska – Lincoln

Case Law: Some Examples of What Happens in the Courts

Michael A. Middleton, Office of Civil Rights

Implications for R & D: What's A Researcher To Do?

James C. Sharf, Equal Employment Opportunity Commission

Discussant: Barbara J. Andrew, National Board of Medical Examiners

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

Tuesday Evening 6:30-8:30 p.m.
Regency Suite, Royal York Hotel

Wednesday, March 29
Canadian Room (Royal York)
8:00-10:15

**SESSION 6: NCME ANNUAL BREAKFAST AND BUSINESS MEETING
PRESIDENTIAL ADDRESS by Eric F. Gardner**

“Bias”

Wednesday, March 29
Tudor 7 & 8 (Royal York)
10:35-12:05

SESSION 7A: REPORT OF COMMITTEE ON GOALS AND DIRECTIONS (S)

Moderator: Robert F. McMorris, SUNY-Albany

Materials and Journals of NCME

Thomas Fitzgibbon, The Psychological Corporation

Programs of NCME

Richard M. Clark, SUNY-Albany

Cooperative Actions With Other Groups

Robert Bhaerman, Ohio State University

What Does NCME Stand For?

Robert Lissitz, University of Georgia

Wednesday, March 29
Confederation 6 (Royal York)
10:35-12:05

SESSION 7B: LATENT TRAIT MODELS (P)

Moderator: Jerry J. Durovic, New York State Department of Civil Service

A Comparison of Three Types of Item Analysis in Test Development Using Classical and Latent Trait Methods

Jeri Benson, University of Southern California

Linda Crocker and William Ware, University of Florida

A Live Tailored Testing Comparison Study of the One- and Three-Parameter Logistic Models

Bill R. Koch and Mark D. Reckase, University of Missouri – Columbia

Application of Latent Trait Theory to the Development of Norm-Referenced and Criterion-Referenced Tests

Linda L. Cook and Ronald K. Hambleton, University of Massachusetts

Discussants: Robert L. Brennan, American College Testing Program
R. Robert Rentz, Georgia State University

Wednesday, March 29
Territories (Royal York)
10:35-12:05

**SESSION 16.24: EMPIRICAL EVALUATIONS OF VARIOUS APPROACHES
FOR IDENTIFYING BIASED TEST ITEMS (S)**

Organizer: Lawrence M. Rudner, Gallaudet College – Model Secondary
School for the Deaf

Moderator: Carlyle E. Maw, National Institute of Education

Participants: William R. Merz, California State University at Sacramento
Gail H. Ironson, Bowling Green State University
Robert A. Harms, University of South Florida
Lawrence M. Rudner, Gallaudet College

Discussants: Donald Ross Green, CTB/McGraw-Hill
John F. Draper, Stanford Research Institute

Wednesday, March 29
Tudor 7 & 8 (Royal York)
12:25-1:55

**SESSION 8A: TEACHING TECHNIQUES FOR INTRODUCTORY
EDUCATIONAL MEASUREMENT (S)**

Organizer: Richard C. Cox, University of Pittsburgh

Moderator: Nancy S. Cole, University of Pittsburgh

Participants: Robert Ebel, Michigan State University
David A. Payne, University of Georgia
Howard Lyman, University of Cincinnati
H. D. Hoover, University of Iowa
Richard C. Cox, University of Pittsburgh

Wednesday, March 29
Confederation 6 (Royal York)
12:25-1:55

SESSION 8B: MICHIGAN EDUCATIONAL ASSESSMENT AND TESTING (P)

Moderator: Peter M. Prowda, Connecticut State Department of Education

Individualized Testing in a State Assessment Program: Metric Measurement and Music

Edward D. Roeber and Paula T. Bricton, Michigan Department of Education

The Role of the State Agency in Local Assessment Systems

Paula T. Bricton and Edward D. Roeber, Michigan Department of Education

Formative Evaluation of an Educational Assessment Program

Beverly Anderson, Northwest Regional Educational Laboratory
Judith Moyer and Edward Roeber, Michigan Department of Education

Testing in Michigan: A Twenty-Year Perspective

Evelyn J. Brzezinski, Ingham Intermediate School District
Frank B. Womer, University of Michigan

Discussants: Joyce M. Kenosian, New York State Education Department
Marjorie M. Mastie, Washtenaw Intermediate School District

Wednesday, March 29
Tudor 7 & 8 (Royal York)
2:15-3:45

SESSION 9A: REPORT OF COMMITTEE ON MEASUREMENT COMPETENCY (S)

Organizer: The Committee on Measurement Competency

Moderator: Samuel T. Mayo, Loyola University, Chicago

Participants: Jules Grosswald, The School District of Philadelphia
George F. Madaus, Boston College
John W. Menne, Iowa State University
Ronald Morgan, Loyola University, Chicago
David A. Payne, University of Georgia
Allen N. Shub, Science Research Associates, Inc.

Wednesday, March 29
Confederation 6 (Royal York)
2:15-3:45

SESSION 9B: MEASUREMENT IN THE AFFECTIVE DOMAIN (P)

Moderator: Nira Levine, Pacific University

The Effect of Varying Response-Mode Formats on Responses to Affective Measures

John C. Ory, University of Illinois
John P. Poggio, University of Kansas

Effects of Type of Instructions on the Characteristics of an Affective Instrument

Bruce R. Rogers, University of Northern Iowa

Latent Trait Theory in the Affective Domain: Applications of the Rasch Model

Allen R. Curry and Blyth R. Gabriel, National Testing Service

Discussants: David A. Payne, University of Georgia
David R. Krathwohl, Syracuse University

Wednesday, March 29
Tudor 7 & 8 (Royal York)
4:05-6:05

SESSION 10A: MAJOR APPLICATIONS OF THE RASCH LATENT TRAIT MODEL (S)

Organizer: S. David Farr, SUNY-Buffalo

Measuring Abilities of Icelandic Youth

Sigrídur Valgærðsdóttir, Kennarahaskóli Íslands
S. David Farr, SUNY-Buffalo

Application of the Rasch Model to Educational Achievement Tests in Medicine

Paul R. Kelley, Anita I. Bell, and Charles Schumacher,
National Board of Medical Examiners

Monitoring the Quality of an Item Pool Calibrated by the Rasch Model

R. Robert Rentz, Georgia State University

Designing a School Testing Program Using Rasch Calibrated Item Banks

Fred Forster and Victor W. Doherty, Portland, Oregon,
Public Schools

The National Monitoring of Academic Standards

Bruce Choppin, National Foundation for Educational Research
in England and Wales

Discussant: Benjamin D. Wright, University of Chicago

Wednesday, March 29
Confederation 6 (Royal York)
4:05-5:05

SESSION 10B: RATING OF ESSAYS (P)

Moderator: Joan Bollenbacher, Cincinnati Public Schools

A Factorial Analysis of Evaluations of English Composition

Douglas Shale, Athabasca University

The Impact of Achievement Expectation on Scoring Essay Tests

Clinton I. Chase, Indiana University

Discussant: William E. Coffman, University of Iowa

Thursday, March 30
Theatre 2 (Sheraton Centre)
8:45-10:15

SESSION 11A: ISSUES AND PROBLEMS IN MEASURING THE EFFECTS OF LABELS (S)

Organizer: William M. Reynolds, SUNY-Albany

Moderator: Paul C. Raffeld, Louisiana State University

Issues in the Measurement of Attitudes Toward Disabilities

Marcia D. Horne, SUNY-Albany

Issues in the Measurement of Educators' Attitudes Toward Labels

Barbara A. Mowder, SUNY-Albany

The Need to Examine Response Bias in the Measurement of Attitudes Toward Labels

William M. Reynolds, SUNY-Albany

Discussants: Clinton I. Chase, Indiana University
Stefan Harasymiw, Northwestern University

Thursday, March 30
York (Sheraton Centre)
9:15-10:15

SESSION 11B: TESTING FOR MINIMUM COMPETENCY (P)

Moderator: Robert L. Nixon, University of South Florida

Developing Measures for Minimal Competency Assessment

Elaine L. Lindheim, Instructional Objectives Exchange

The Construction and Validation of a Criterion-Referenced Test of Fundamental Reading Competencies

Selina J. Ganopole, University of California – Los Angeles

Discussant: Lois Burrill, The Psychological Corporation

Thursday, March 30
Theatre 2 (Sheraton Centre)
10:35-12:05

**SESSION 12A: RECENT LEGAL AND OTHER DEVELOPMENTS
AFFECTING TESTING (SP)**

Speaker: David M. Nolan, Educational Testing Service

Discussant: James H. Ricks, The Psychological Corporation

Thursday, March 30
York (Sheraton Centre)
10:35-12:05

SESSION 12B: ITEM ANALYSIS AND CONSTRUCTION (P)

Moderator: David Nevo, Tel-Aviv

*An Exploratory Study of Group Differences in the Performance
of Pupils in Grades 6, 7, 8, and 9 on the Items in the Iowa Test
of Basic Skills*

William E. Coffman, University of Iowa

*Establishing Homogeneous and Internally Consistent Binary-
Response Type Instruments*

Richard J. Hofmann, Miami University

*The Statistical Equivalence of Items Generated from the Same
Item Form*

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



*Multiple Response vs. Multiple True-False Scoring: A Compari-
son of Reliability and Validity*

Mark A. Albanese, University of Iowa

Darrell L. Sabers, University of Arizona

Discussants: William H. Angoff, Educational Testing Service
Malcolm J. Slakter, SUNY-Buffalo

Thursday, March 30
Ballroom West (Sheraton Centre)
10:35-12:05

**SESSION 24.05: THE USE OF LONGITUDINAL TEST DATA IN A STUDY
OF U.S. PRIMARY AND SECONDARY EDUCATIONAL
PROCESS (S)**

Organizer: Jules Grosswald, The School District of Philadelphia

Student Achievement Results

Frank E. Armbruster, Hudson Institute

A Longitudinal Study of Mean IQ

Paul J. Bracken, Hudson Institute

The Study Problems and Their Implications

Jules Grosswald, The School District of Philadelphia

Thursday, March 30
Theatre 2 (Sheraton Centre)
12:25-1:55

SESSION 13A: INVITED ADDRESS

Moderator: Eric F. Gardner, Syracuse University

Perspectives on Intelligence Testing

Roger T. Lennon, The Psychological Corporation

Thursday, March 30
Civic Ballroom (Sheraton Centre)
12:25-1:55

**SESSION 25.06: INVESTIGATING FAMILY AND MENTAL ABILITY:
METHODS AND FINDINGS (S)**

Organizer: Ellis B. Page, University of Connecticut

Moderator: David B. Orr, National Center for Education Statistics

How Should We Analyze Family Data? Or Any Other Data?

Gary M. Grandon, Roper Center, Inc.

*Separating Illusion from Reality: Family Effects in Large U.S.
Samples*

Ellis B. Page, University of Connecticut

*Family and Other Influences in South American Test
Performance*

Wilson Velandia, Universidad Javeriana Bogotá

Discussant: Robert C. Nichols, SUNY-Buffalo

Thursday, March 30
Theatre 2 (Sheraton Centre)
2:15-3:45

SESSION 14A: EVALUATIONS OF TESTS AND TEST-USERS (P)

Moderator: Robert P. Grobe, Dallas Independent School District

Evolution of Educational Measurement in the 1970's: Changes in Elementary-Level Standardized Tests

Joseph M. Petrosko, University of Louisville

Is the Student Hysterically Blind when Evaluating Classroom Test Items?

Glennelle Halpin, Gerald Halpin, and Samuel B. Green, Auburn University

School Counselor Measurement Competencies and Attitudes Toward Measurement

Jules Grosswald, The School District of Philadelphia

A Survey of Opinions Concerning Non-Measurement-Expert Users of Educational Tests

Frank P. Stetz and Michael D. Beck, The Psychological Corporation

Discussants: Leo Munday, Houghton-Mifflin Co., Iowa City
John K. Miller, The University of Rochester

Thursday, March 30
York (Sheraton Centre)
2:15-3:45

**SESSION 14B: OPTICAL MARK READERS FOR TESTING CENTERS:
COMPLEX FREESTANDING SCANNERS VERSUS
SIMPLE EXTERNALLY CONTROLLED SCANNERS (S)**

Organizer: Norman S. Gilbert, Northern Illinois University

Freestanding Complex Optical Scanners

David A. Frisbie, University of Illinois – Urbana

Simpler Scanners with External Controls

John W. Menne, Iowa State University

Technical Problems in Changing Scanning Systems

Lynn J. Owens, Northern Illinois University

Administrative Concerns in Changing Scanning Systems

Norman S. Gilbert, Northern Illinois University

Thursday, March 30
Civic Ballroom (Sheraton Centre)
2:15-3:45

**SESSION 26:06: ITEM WRITING FOR DOMAIN-REFERENCED TESTS:
RECENT DEVELOPMENTS (S)**

Organizer: Tom M. Haladyna, Oregon State System of Higher Education

Domain-Referenced Testing of Conceptual Learning

Phillip W. Tiemann and Susan M. Markle, University of Illinois (Chicago Circle)

Generating Domain-Referenced Multiple Choice Test Items from Prose Passages

Patrick Finn, SUNY-Buffalo

A Comparison of Several Multiple-Choice Linguistic-Based Item-Writing Algorithms

Gale Roid and Tom Haladyna, Oregon State System of Higher Education

Feasibility of Criterion-Referenced Evaluation, Principled Control of Test Bias, and Regression Identity

John R. Bormuth, University of Chicago

Discussants: Jason Millman, Cornell University
John Engel, University of Illinois (Campus Medical Center)

Thursday, March 30
Windsor East (Sheraton Centre)
4:05-5:35

SESSION 15A: ASSOCIATION OF TEST DIRECTORS

Presiding: Jules Grosswald, The School District of Philadelphia

Thursday, March 30
York (Sheraton Centre)
4:05-5:35

SESSION 15B: INFORMAL MEETING OF TEST SCORING PERSONNEL

Convener: David J. Kleinke, Syracuse University

INDEX OF PARTICIPANTS

Name	Session No.	Name	Session No.
Albanese, Mark A.	12B	Farr, S. David	10A
Aleamoni, Lawrence	5A	Finn, Patrick	26.06
Anderson, Beverly	8B	Fitzgibbon, Thomas	7A
Andrew, Barbara J.	11.09	Flynn, John T.	2C
Angoff, William	12B	Forster, Fred	10A
Armbruster, Frank E.	24.05	Franklin, Dannie E.	2C
Baird, Leonard L.	1A	Frisbie, David S.	14B
Baker, Frank B.	1B	Froman, Robin	5A
Benson, Jeri	7B	Fruen, Mary A.	1C
Berk, Ronald A.	3A	Gable, Robert K.	4C
Bhaerman, Robert	7A	Ganopole, Selina	11B
Bollenbacher, Joan	10B	Gardner, Eric F.	6A & 13A
Bormuth, John R.	26.06	Gilbert, Norman S.	14B
Bracken, Paul J.	24.05	Grandon, Gary M.	25.06
Brandenburg, Dale C.	1C	Green, Donald Ross	16.24
Brennan, Robert L.	7B	Grobe, Robert P.	14A
Bricton, Paula	8B	Grosswald, Jules	
Brown, James A.	1A		9A, 14A, 24.05 & 15A
Brzezinski, Evelyn J.	8B	Haladyna, Tom M.	26.06
Burrill, Donald	3A	Halpin, Glennelle	14A
Burrill, Lois	11B	Hambleton, Ronald K.	3A
Carroll, John B.	3B	Hanna, Gerald S.	5B
Chase, Clinton I.	10B & 11A	Hanson, Ralph A.	1A
Chissom, Brad S.	2B	Harasymiw, Stefan	11A
Choppin, Bruce	10A	Harms, Robert A.	16.24
Clark, Richard M.	7A	Hastings, J. Thomas	2A
Coffman, William E.	10B & 12B	Henderson, Linda	4B
Cole, Nancy C.	8A	Hill, Richard K.	1B
Cook, Linda L.	7B	Hills, John R.	2B
Convey, John J.	16.24	Hofmann, Richard J.	12B
Cox, Richard C.	8A	Hoover, H. D.	8A
Crocker, Linda	4C	Horne, Marcia D.	11A
Curlette, William L.	4A	Hummel-Rossi, Barbara	4A
Curry, Allen R.	9B	Hunt, David E.	4B
Diamond, Esther E.	5C	Huynh, Huynh	4A
Divgi, D. R.	4A	Hymel, Glenn M.	3A
Donlon, Thomas F.	5B	Ironson, Gail H.	16.24
Draper, John F.	16.24	Jensen, Marjane	5C
Durovic, Jerry J.	7B	Johnson, Judith J.	4C
Ebel, Robert L.	3B & 8A	Kelley, Paul R.	10A
Engel, John	26.06	Kelly, Edward F.	1C
Evans, William J.	2B	Kemble, Eugenia	2A
Farr, Roger	5B	Kenosian, Joyce	8B

Name	Session No.	Name	Session No.
Kleinke, David J.	15B	Perkins, Mark L.	2B
Knapp, Thomas R.	1B	Petrosko, Joseph M.	14A
Koch, Bill R.	7B	Plake, Barbara S.	4B & 5C
Krathwohl, David R.	9B	Pottinger, Paul S.	11.09
Ku, Earl J.	1A	Powers, Donald	1A
Lehmann, Irvin J.	4B	Prophet, Matthew W.	2A
Lennon, Roger T.	13A	Prowda, Peter M.	8B
Leshner, Ronald E.	5B	Purves, Alan	2A
Levine, Harold G.	5B	Raffeld, Paul C.	11A
Levine, Nira	9B	Rankin, Richard J.	11A
Lindheim, Elaine L.	11B	Reckase, Mark D.	2B
Lissitz, Robert	4C	Rentz, R. Robert	7B & 10A
Livingston, Samuel A.	4A	Reynolds, William M.	11A
Lyman, Howard	8A	Ricks, James H.	12A
Madaus, George F.	9A	Roeber, Edward	8B
Mastie, Marjorie	8B	Rogers, Bruce R.	9B
Mayo, Samuel	5C & 9A	Roid, Gale	26.06
Maw, Carlyle E.	16.24	Roudabush, Glenn E.	3A
McCook, William M.	5A	Rovinelli, Richard J.	3A
McMorris, Robert F.	7A	Rudman, Herbert	2A
Meier, Robert S.	5A	Rudner, Lawrence M.	16.24
Mendelson, Marilyn A.	1C	Sachar, Jane	1B & 4C
Menne, Jack	9A & 14B	Sales, Bruce D.	11.09
Merz, William R.	16.24	Sanderson, Elizabeth F.	4C
Middleton, Michael A.	11.09	Sax, Gilbert	2C
Miller, John K.	14A	Schmeiser, Cynthia B.	4B
Millman, Jason	26.06	Shale, Douglas	10B
Morgan, Ronald	9A	Sharf, James C.	11.09
Mowder, Barbara H.	2B & 11A	Shelley, Monte F.	12B
Munday, Leo A.	14A	Shub, Allen N.	9A
Myerberg, N. James	1B	Slakter, Malcolm J.	12B
Nassif, Paula M.	3A	Stetz, Frank P.	14A
Nevo, David	12B	Stiggins, Richard J.	4B
Nichols, Robert C.	25.06	Subkoviak, Michael J.	4A
Nixon, Robert L.	11B	Thomas, Susan	5C
Nolan, David M.	12A	Tiemann, Phillip W.	26.06
Novak, Carl D.	1B	Tittle, Carol K.	5C
Oaster, Thomas R.	5B	Tomala, Gail	5A
Orr, David B.	25.06	Traub, Ross E.	2C
Ory, John C.	9B	Uhl, Norman P.	1A
Owen, Steven	5A	Valgersdottir, Sigridur	10A
Owens, Lynn J.	14B	Velandia, Wilson	25.06
Page, Ellis B.	25.06	Weber, Margaret B.	2C
Patience, Wayne M.	2C	Whitney, Douglas	1A
Payne, David A.	8A, 9A & 9B	Wolmut, Peter	2C
Pedulla, Joseph J.	4C	Wright, Benjamin D.	10A

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