

**National Council on  
Measurement in Education**

*file*

**1979  
Annual Meeting  
Program**

**St. Francis and  
San Francisco Hilton Hotels  
San Francisco, California**

**April 9-11, 1979**

**National Council on  
Measurement in Education**

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- NATIONAL COUNCIL ON  
MEASUREMENT IN EDUCATION

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## 1979 NCME PROGRAM

(P) indicates paper session

(S) indicates symposium

(M) indicates meetings

Thank you for not smoking during any of the sessions.

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Monday, April 9

Borgia (St. Francis)

8:15-10:15

SESSION 6.13: ARE WE READY TO ASSESS WRITING?  
(S)

Organizer/

Moderator:

Robert D. Matz, High/Scope Educational  
Research Foundation

Participants:

*Insights from a Decade of National Assessment*

Rexford Brown, National Assessment of  
Educational Progress

*Redefining Writing Skills as a Cognitive  
Process*

Linda S. Flower and John R. Hayes,  
Carnegie-Mellon University

*Determining the Validity and Generalizability  
of Writing Tests*

James T. Bond and Lynne Tamor, High/  
Scope Educational Research Foundation

*The Measurement of Writing Skills — A  
Unique Challenge to the Test Developer*

Susan E. Valentine, Educational Testing  
Service

Discussant:

John Mellon, University of Illinois (Chicago  
Circle)

California East (St. Francis)  
8:15-10:15

SESSION 6.20: FEDERAL ACTIVITIES IN MINIMUM  
COMPETENCY TESTING (S)

Organizer: Judith S. Shoemaker, National Institute of  
Education

Moderator: Carl Wisler, United States Office of Ed-  
ucation

Participants: *Evaluating Minimum Competency Testing  
Programs*

Judith S. Shoemaker, National Institute of  
Education

*Sex Differences in Minimum Competency  
Testing*

Joyce Payne, National Advisory Council on  
Women's Education Programs

*Impact of Minimum Competency Testing on  
Equal Educational Opportunity*

Hester Lewis, Office for Civil Rights/Office  
of General Counsel

*Educational Proficiency Standards*

Jack Jennings, Senate Subcommittee on  
Elementary, Secondary, and Vocational  
Education

Discussants: Chris Pipho, Education Commission of the  
States

Continental Parlor 7 (Hilton)  
8:15-10:15

SESSION 6.26: AN AUTHOR'S GUIDE TO ACADEMIC  
PUBLISHING (S)

Organizer/  
Moderator: George F. Madaus, Boston College

Participants: Robert L. Ebel, Michigan State University  
Eric Gardner, Syracuse University  
James E. Lyons, University Press of America  
George Middendorf, Harper & Row  
Loretta J. Webb, Houghton Mifflin

Monday, April 9

Victoria (St. Francis)  
8:45-10:15

SESSION 1A: TEST VALIDITY STUDIES I (P)

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

Participants: *Measuring Problem Solving Ability in Mathematics with Multiple Choice Items: The Effect of Item Format on Selected Item and Test Characteristics*

Robert A. Forsyth and Kevin Spratt, University of Iowa

*Measurement of Reading Skills with the One-Question-Per-Passage Item Format: A Follow-up Study*

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

*Predicting Children's Writing Performance from Standardized Achievement Tests*

Linda Crocker, Toni Ondrasik and Linda Lamme, University of Florida

*A Factor Analytic Study of the Restructured GRE Aptitude Test*

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

Discussants: Donald Ross-Green, CTB/Mc Graw-Hill  
Douglas Shale, Athabasca University

Windsor (St. Francis)  
9:15-10:15

SESSION 1B STUDENT RATINGS AND COURSE EVALUATION (P)

Moderator/  
Discussant: Lawrence M. Aleamoni, University of Arizona

Participants: *Selection of Course Evaluation Items by High- and Low-Rated Faculty*  
John C. Ory and Dale C. Brandenburg, University of Illinois, Urbana-Champaign

*Some Statistical Properties of Item Specificity in Student Ratings*

Dale C. Brandenburg, University of Illinois, Urbana-Champaign.

Elizabethan A (St. Francis)  
10:35-12:05

SESSION 2A: A NEW MULTINATIONAL TESTING AGENCY: THE STORY OF ITS BEGINNING (S)

Organizer/  
Moderator: Mathew N. Sherman, Educational Testing Service

Participants: Wilfred W. Beckles, Caribbean Examinations Council  
H. Andrew Elliott, CIDA Consultant  
Dennis H. Irvine, University of Guyana  
Roger C. Kershaw, Educational Testing Service

Discussant: Robert L. Thorndike, Teachers College, Columbia University

Victoria (St. Francis)  
10:35-12:05

SESSION 2B: ASSESSING WRITING PROFICIENCY: PRACTICAL STRATEGIES AND THEIR IMPLICATIONS (S)

Organizer/  
Moderator: Richard J. Stiggins, American College Testing Program

Participants: *The Assessment of Writing Proficiency via Qualitative Ratings of Writing Samples*  
Joe M. Steele, American College Testing Program

*The Assessment of Rhetorical Proficiency: The Role of Objective Tests and Writing Samples*

Monday, April 9

Renee M. Huntley, Cynthia B. Schmeiser,  
and Richard J. Stiggins, American College  
Testing Program

*The Evaluation of Large-Scale Writing As-  
sessment Programs*

Leon L. Thomas, California State University  
and Colleges

Discussant: Edward M. White, California State Uni-  
versity at San Bernadino

Windsor (St. Francis)  
10:35-12:05

SESSION 2C: EMPIRICAL METHODS FOR DETECTING  
ITEM BIAS (P)

Moderator: Lois E. Burrill, The Psychological Corporation

Participants: *A Monte-Carlo Investigation of Select  
Approaches for Detecting Biased Test Items*  
Lawrence M. Rudner, Pamela R. Getson and  
David L. Knight, MSSD-Gallaudet College

*An Empirical Investigation of Six Methods  
of Examining Test Item Bias*

William R. Merz and Neal E. Grossen,  
California State University-Sacramento

*Item Bias Identification: A Comparison of  
Two Approaches*

Mary Lynn Groome, California Energy  
Commission

William R. Groome, California State  
University — Sacramento

*Empirical Methods for Studying Sex Bias in  
Achievement Test Items*

F. G. Brown, Iowa State University  
Jacque D. Moss, University of Iowa

Discussants: John R. Hills, Florida State University  
Carlyle E. Maw, National Institute of  
Education

Elizabethan A (St. Francis)  
12:25-1:55

SESSION 3A: LATE-BREAKING ISSUES (S)

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

Victoria (St. Francis)  
12:15-1:55

SESSION 3B: STUDIES IN SETTING STANDARDS AND  
CUT-OFF SCORES (P)

Moderator: David J. Kleinke, Syracuse University

Participants: *A Defensible Model for Determining a  
Minimal Cut-Off Score for a Criterion-  
Referenced Certification Examination*

Stan Bernknopf, Georgia State Department  
of Education

Allen R. Curry, Systems Oriented Measure-  
ment and Analysis

W. L. Bashaw, University of Georgia

*Application of Generalizability Theory to  
Some Procedures for Establishing Cutting  
Scores*

Robert E. Lockwood and Robert L.  
Brennan, American College Testing Program

*Upper and Lower Bounds on the Probability  
of a False-Positive or False-Negative Decision  
with a Mastery Test*

Rand R. Wilcox, University of California  
at Los Angeles

*Local Competency Standards vs. State  
Standards and Their Relation to District  
Socioeconomic Status*

Bruce W. Tuckman, The City University of  
New York

Frederick F. Nadler, South Brunswick Public  
Schools

Discussants: Thomas R. Knapp, University of Rochester  
Samuel A. Livingston, Educational Testing  
Service

Monday, April 9

Windsor (St. Francis)  
12:55-1:55

SESSION 3C: THE ESTABLISHMENT AND EVALUATION OF COMPREHENSIVE INSTRUCTIONAL EVALUATION SYSTEMS (S)

Organizer/  
Moderator: Lawrence M. Aleamoni University of Arizona

Participants: Robert A. Harrell, Jackson State Community College  
Kevin R. Morse, Pan American University  
Darrel S. Metcalfe, University of Arizona  
JoAnn Little, Pima Community College

Discussant: Robert H. Davis, Michigan State University

Borgia (St. Francis)  
12:25-1:55

SESSION 9.18: USING MINIMUM COMPETENCY RESULTS: GUIDELINES, MODELS AND ALTERNATIVES (S)

Organizer/  
Moderator: Cheryl J. Weiner, Educational Testing Service

Participants: John Fremer, Educational Testing Service  
Walter Hathaway, Portland (Oregon) Public Schools  
Thomas Sticht, National Institute of Education  
Robert Feldmesser, Educational Testing Service

Discussant: Fannie Handrick, American College Testing Program

- SESSION 4A: CAN PREDICTIONS OF ACADEMIC SUCCESS BE IMPROVED? (S)
- Organizers: Douglas A. Samuelson, U. S. Department of Energy  
Carlyle E. Maw, National Institute of Education
- Moderator: Alexander W. Astin, University of California at Los Angeles
- Participants: *Some Uses of Statistics in Law School Admissions*  
Donald B. Rubin, Educational Testing Service  
*Some Issues of Validity Related to College Admissions Testing Programs*  
Richard L. Ferguson and Robert L. Brennan, American College Testing Program  
*Prediction of Academic Performance*  
Elizabeth L. Scott and Hae Song, University of California at Berkeley  
*Possible Uses of Supplementary Data to Enhance the Predictive Performance of Standardized Aptitude Tests*  
Carlyle E. Maw, National Institute of Education  
Douglas A. Samuelson, U. S. Department of Energy
- Discussants: Melvin R. Novick, University of Iowa  
Maurice Tatsuoka, University of Illinois, Urbana-Champaign

**Monday, April 9**

Elizabethan A. (St. Francis)  
2:15-3:45

**SESSION 4B: FLORIDA FUNCTIONAL LITERACY TESTING PROGRAM (P)**

**Moderator:** Frank B. Womer, University of Michigan

**Participants:** *Construct Validation of the Florida Functional Literacy Test*

John R. Hills, Florida State University

*An Investigation of Students' Abilities to Solve Functional Literacy Mathematics Problems*

Tom Denmark, Florida State University

*The Florida Competency Testing Program: Results and Reactions*

Thomas H. Fisher, Florida State Department of Education

*The Reading Comprehension Score of the Florida Functional Literacy Test*

F. J. King, Florida State University

**Discussants:** Richard K. Hill, RMC Research Corporation  
H. D. Hoover, University of Iowa

Windsor (St. Francis)  
2:15-3:45

**SESSION 4C: TESTING AND ABSTRACT REASONING (P)**

**Moderator:** Robert C. Nichols, State University of New York at Buffalo

**Participants:** *Adapting Test Construction to Concept Development Theory*

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

*Prediction of Divergent Thinking and Problem Solving from Ratings of Behavioral Characteristics*

John C. Houtz, Fordham University  
Dennis J. Shaning, Randolph Public Schools

*The Role of Fluid, Crystallized, and Creative Abilities in the Prediction of Achievement on Essay and Objective Tests*

Sue M. Legg and William B. Ware, University of Florida-Gainesville

*Student Performance on Multiple-Choice Questions As a Function of Taxonomic Level*

Phyllis Blumberg, Marjorie D. Alschuler and Victor Rezmovic, University of Illinois Medical Center

Discussants: Donald F. Burrill, Ontario Institute for Studies in Education  
Barbara A. Mowder, State University of New York at Albany

Continental Ballroom 6 (Hilton)  
2:15-3:45

SESSION 10.32: STANDARDS FOR EDUCATIONAL EVALUATION: DISSEMINATION ISSUES (M)

Organizer/  
Moderator: Jeri M. Ridings, Western Michigan University

Participants: Daniel Stufflebeam, Western Michigan University  
Egon Guba, Indiana University

Monday, April 9

Elizabethan A (St. Francis)

4:05-6:05

SESSION 5A: EDUCATIONAL MEASUREMENT NEEDS  
FOR PUBLIC SCHOOLS IN THE 1980s (S)

Organizer/

Moderator: Robert P. Grobe, Dallas Independent School  
District

Participants: Judith S. Shoemaker, National Institute of  
Education

Dean H. Nafziger, Northwest Regional Lab-  
oratory

Charles W. Nix, Texas Education Agency

Margaret Fleming, Cleveland Public Schools

Discussant: W. James Popham, University of California  
at Los Angeles

Victoria (St. Francis)

4:05-5:35

SESSION 5B: STUDIES OF LATENT TRAIT METHODS  
(P)

Moderator: Anthony J. Nitko, University of Pittsburgh

Participants: *Operational Characteristics of Rasch Model  
Tailored Testing Procedure When Program  
Parameters and Item Pool Attributes Are  
Varied*

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

*Practical Results of an Investigation of  
Latent Trait Item Selection Methodologies*

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

*A Comparison of the One and Three Para-  
meter Logistic Models on Measures of Test  
Efficiency*

Jeri Benson, University of Southern California

*A Comparison of Methods of Vertical Equat-  
ing*

Brenda H. Loyd and H. D. Hoover, University of Iowa

Discussants: Robert L. Brennan, American College Testing Program  
Nancy S. Cole, University of Pittsburgh

Windsor (St. Francis)  
4:05-5:05

SESSION 5C: COLLEGE FACULTY GRADING PRACTICES (P)

Moderator/  
Discussant: Robert F. McMorris, State University of New York at Albany

Participants: *Students and Faculty View the Grading System*

Clinton I. Chase, Indiana University

*Individual Differences among College Faculty in Awarding Grades: Their Stability and Relationship with Methods of Student Appraisal*

Kurt F. Geisinger, Fordham University  
William Rabinowitz, Pennsylvania State University

Tuesday, April 10

California (Hilton)  
7:45-9:00

SESSION 6A: NCME ANNUAL BREAKFAST

California (Hilton)  
9:00-10:15

SESSION 6B: NCME PRESIDENTIAL ADDRESS AND  
BUSINESS MEETING

PRESIDENTIAL ADDRESS: *Can Measurement Become a Profession? How?*

John W. Menne, Iowa State University

Cypress (Hilton)  
10:35-12:05

SESSION 7A: TESTING: RENEWING THE PERSPECTIVE (S)

Organizer/

Moderator: Roger T. Lennon, Harcourt Brace  
Jovanovich

Participants: David A. Goslin, NAS/NRC Committee on  
Ability Testing

Walt Haney, National Consortium on  
Testing, The Huron Institute

Daniel P. Resnick, Carnegie-Mellon Uni-  
versity

Jeff Schiller, National Institute of Education

Discussant: George F. Madaus, Boston College

Teakwood Suite (Hilton)  
10:35-12:05

SESSION 7B: METHODOLOGIES FOR SETTING  
STANDARDS (S)

Organizer/

Moderator: Anna C. Klein, Wichita State University

Participants: *The Use of Experts' Judgments in Standard Setting*

Richard M. Majetic, Educational Testing Service

*Using Empirical Data to Set Cutoff Scores*

John R. Hills, Florida State University

*Some Methods for Determining Cutoff Scores*

Ronald K. Hambleton and Sally Powell, University of Massachusetts, Amherst

Discussants: Robert Linn, University of Illinois, Urbana-Champaign

Richard Jaeger, University of North Carolina, Greensboro

Tamalpais (Hilton)

10:35-12:05

SESSION 7C: TEST VALIDITY STUDIES II (P)

Moderator: Michael D. Beck, The Psychological Corporation

Participants: *Generalizable Observation of Classroom Environment, Interaction, and Effectiveness: The RAVES Scale*

Philip L. Smith, Michael I. Waller and Suzanne P. Wiviott, University of Wisconsin-Milwaukee

*The Classroom Activities Log: A Personalized Record of a Child's School Day As Recorded by His/Her Teacher*

Francis X. Archambault, University of Connecticut

Nancy L. Ames, Abt Associates

*The Development of a Written Ability Test for Visually Handicapped Persons*

Robert C. Sapinkopf, U. S. Civil Service Commission

*The Relationship of Television Viewing and Homework to Cognitive and Noncognitive Outcomes*

Richard L. Kohr, Pennsylvania Department of Education

Discussants: Betsy Haley, Charlotte-Mecklenburg Schools  
Mark L. Perkins, Old Dominion University

Tuesday, April 10

Continental Ballroom 4 (Hilton)  
10:35-12:05

SESSION 15.08: A CRITERION-REFERENCED APPROACH TO THE MEASUREMENT OF READING COMPREHENSION (S)

Organizer: Stephen H. Ivens, College Entrance Examination Board

Moderator: Winsor A. Lott, New York State Education Department

Participants: *The Promise of CRT: Panacea or Pandora?*  
Stephen H. Ivens, College Entrance Examination Board

*The Domain of Reading Comprehension and Its Measurement*

Bertram L. Koslin, Touchstone Applied Science Associates

*Setting Standards and Expectations for Reading Comprehension*

Carolyn Byrne, New York State Education Department

*Implications for Instruction*

Thomas Fitzgerald, New York State Education Department

Discussant: E. R. Rothkopf, Bell Labs

**SESSION 8A: POTENTIALLY CONFOUNDING  
FACTORS IN TESTING I (P)**

**Moderator:** Richard J. Stiggins, American College  
Testing Program

**Participants:** *The Effects of Special Preparation on SAT-  
Verbal Scores*  
Donald L. Alderman and Donald E. Powers,  
Educational Testing Service

*Generality of a "Fast" or "Slow" Test  
Taking Style across a Variety of Cognitive  
Tasks*

Brent Bridgeman, Educational Testing  
Service

*Feedback and Pacing Effects on Test Perfor-  
mance and Psychological Reactions to  
Testing*

Marilyn F. Johnson, J. Stephen Prestwood  
and David J. Weiss, University of Minnesota

*An Examination of the Confounding in  
Measures of Foreign Language Listening  
Comprehension*

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

**Discussants:** William M. Reynolds, State University of  
New York at Albany  
Peter W. Airasian, Boston College

**Tuesday, April 10**

Teakwood Suite (Hilton)  
12:25-1:55

**SESSION 8B:**METHODOLOGICAL ISSUES IN TESTING  
(P)

**Moderator:**    Harold G. Levine, University of Texas  
Medical Branch

**Participants:**   *Categorical Factor Analysis: Its Uses in  
Educational Measurement*

Richard J. Hofmann, Miami University

*On Shoben's Advocacy of the Statistical  
Analysis of Pass-Fail Rates in Employment  
Testing to Assess Possible Adverse Impact  
under Title VII of the Civil Rights Act of  
1964*

William M. Stallings, William L. Curlette, E.  
Beth Schwartzmueller and Kathleen Burk,  
Georgia State University

*Do Developmental Changes Occur among  
Wrong Answers?*

James C. Powell, University of Windsor

*Program-Fair Assessment and the General-  
izability of Instructional Effects*

Ralph A. Hanson, Jerry D. Bailey and  
Barbara T. Meguro, SWRL Educational Re-  
search and Development

**Discussants:**    Robert Pruzek, State University of New  
York at Albany

Carol Kehr Tittle, University of North  
Carolina, Greensboro

Tamalpais (Hilton)  
12:25-1:55

SESSION 8C: ASSOCIATION OF TEST DIRECTORS (M)

Organizer/  
Moderator: Jules Grosswald, The School District of  
Philadelphia

Continental Ballroom 4 (Hilton)  
12:25-1:55

SESSION 16.29: EXPLORATIONS OF LATENT TRAIT  
MODELS AS A MEANS OF SOLVING  
PRACTICAL MEASUREMENT PROBLEMS  
(S)

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

Moderator: Daniel R. Eignor, Educational Testing  
Service

Participants: *Determining the Goodness of Fit of Latent  
Trait Models*

Ronald K. Hambleton, University of  
Massachusetts, Amherst

*An Empirical Comparison of the Goodness  
of Fit of Three Latent Trait Models to Real  
Test Data*

Leah R. Hutton, University of  
Massachusetts, Amherst

*Estimation of Parameters in Latent Trait  
Models*

Hariharan Swaminathan and Janice A.  
Gifford, University of Massachusetts,  
Amherst

*Using Information Functions to Build Tests:  
An Application of Latent Trait Theory*

Linda L. Cook, University of Massachusetts,  
Amherst

Discussant: R. Robert Rentz, Georgia State University

Tuesday, April 10

Cypress (Hilton)  
2:15-3:45

SESSION 9A: SCORING AND SCALING METHODS (P)

Moderator: William H. Angoff, Educational Testing Service

Participants: *Improving the Predictive Ability of Placement Tests Using the Rasch Model for Scoring*

Richard M. Smith and Virginia P. Mitchell,  
Mercer County Community College

*Generating Parallel Test Forms for Minimum Competency Exams*

Paula M. Nassif, Paul D. Pinsky and Sherry A. Rubinstein, National Evaluation Systems

*Using Choice-Weighted Scoring of Multiple-Choice Tests for the Determination of Grades in College Courses*

Lawrence H. Cross, Frederick K. Ross and E. Scott Geller, Virginia Polytechnic Institute and State University

*A Comparison of Formula Scoring Techniques*

Christopher F. Nelson and John P. Poggio,  
University of Kansas

Discussants: Diane L. Essex, University of Illinois College of Medicine  
Ross E. Traub, Ontario Institute for Studies in Education

SESSION 9B: STANDARDIZED TESTS: AS VIEWED BY  
THE USERS (P)

Moderator: Paul F. Brown, Education Center, Indianapolis

Participants: *Standardized Achievement Testing Programs Viewed From the Perspective of the Non-Measurement Specialist*  
Stephen Olejnik, University of Florida

*Comments From the Classroom: Teachers' and Students' Opinions of Achievement Tests*

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

*The Users: Who, What, Where, When and Why? Benefits of an Urban City-wide Standardized Testing Program*

Patricia B. Young and James E. Ayrer, School District of Philadelphia

*The Use of Standardized Test Results by Teachers in Ireland*

Myra O'Regan, Peter W. Airasian and George M. Madaus, Boston College

Discussants: Tommy G. Hall, Houston Independent School District  
Herbert C. Rudman, Michigan State University

Tuesday, April 10

Continental Ballroom 6 (Hilton)  
2:15-3:45

SESSION 17.09: PSYCHOMETRIC APPROACHES TO  
DOMAIN-REFERENCED TESTING (S)

Organizer: Robert L. Brennan, American College  
Testing Program

Moderator: Michael T. Kane, National League for  
Nursing

Participants: *Decision Consistency Approaches Applied to  
the Reliability of Domain-Referenced Tests*  
Michael J. Subkoviak, University of  
Wisconsin — Madison

*Generalizability Theory Applied to Issues of  
Reliability and Measurement Error for  
Domain-Referenced Tests*

Robert L. Brennan, American College  
Testing Program

*Bayesian and Empirical Bayes Approaches  
Applied to Setting Standards for Domain-  
Referenced Tests*

Huynh Huynh, University of South Carolina

*Latent Trait Theory Applied to the Devel-  
opment and Use of Domain-Referenced  
Tests*

Ronald K. Hambleton, University of Mass-  
achusetts, Amherst

Discussants: Hariharan Swaminathan, University of Mass-  
achusetts, Amherst  
Rand R. Wilcox, University of California at  
Los Angeles

Elizabethan A (St. Francis)  
2:15-3:45

SESSION 17.22: RESEARCH POLICY ISSUES: THE EDUCATION AMENDMENTS OF 1978 (S)

Organizer: David H. Florio, American Educational Research Association

Moderator: Eva L. Baker, University of California at Los Angeles

Participants: *Paperwork Reduction: The Clearance of Research/Evaluation Instruments for Federally Sponsored Inquiry*

David H. Florio, American Educational Research Association

*Parental Consent for Psychological Testing and Inquiry Dealing with Sensitive Issues*

David Nolan, Educational Testing Service

*Confidentiality: Can Researchers Protect the Identity of Research Subjects?*

Meredith Larson, Stanford Research Institute

Discussant: James Harvey, National Institute of Education

Cypress (Hilton)  
4:05-6:05

SESSION 10A: THE STANDARDIZED ACHIEVEMENT TEST: MULTIPLE PERSPECTIVES ON ITS STRENGTHS AND WEAKNESSES (S)

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

Participants: Jack Merwin, University of Minnesota  
Robert Stake, University of Illinois, Urbana-Champaign  
Harold Bligh, The Psychological Corporation  
Margaret Fleming, Cleveland Public Schools

**Tuesday, April 10**

Teakwood Suite (Hilton)  
4:05-6:05

**SESSION 10B: EDUCATIONAL MEASUREMENT NEEDS  
FOR HIGHER EDUCATION IN THE 1980s  
(S)**

**Organizer/  
Moderator:** Bruce G. Rogers, University of Northern  
Iowa

**Participants:** *From the Viewpoint of a Test Publisher*  
John S. Helmick, Educational Testing  
Service

*From the Viewpoint of a Higher Education  
Agency*

Jerry W. Miller, American Council on Ed-  
ucation

*From the Viewpoint of a University Dean*  
Willard G. Warrington, Michigan State Uni-  
versity

*From the Viewpoint of a Teacher of Ed-  
ucational Measurement*

J. Stanley Ahmann, Iowa State University

**Discussants:** John D. Krumboltz, Stanford University  
Gordon J. Rhum, University of Northern  
Iowa

SESSION 18.14: SETTING STANDARDS: THEORY AND PRACTICE (S)

- Organizer: Huynh Huynh, University of South Carolina
- Moderator: Michael J. Subkoviak, University of Wisconsin — Madison
- Participants: *Considerations for Setting Performance Standards on Entrance Examinations*  
Lorin W. Anderson, University of South Carolina  
*Using Ranking and Selection Techniques When Setting Standards*  
Rand R. Wilcox, University of California at Los Angeles  
*Using Norm-Referenced Data to Set Standards for a Minimum Competency Testing Program in the State of South Carolina: A Feasibility Study*  
Roan A. Garcia-Quintana and Lynne M. Johnson, South Carolina Department of Education  
*Assessing the Consequences of Selecting a Mastery Score: Decision-theoretic and Budgetary Considerations*  
Huynh Huynh, University of South Carolina  
*Standards for Acceptable Level of Performance in an Objective-based Medical Curriculum: A Case Study*  
Rosalia E. Amitrano-Paira, Southern Illinois University School of Medicine
- Discussants: Jason Millman, Cornell University  
Anthony J. Nitko, University of Pittsburgh

**Wednesday, April 11**

Elizabethan A (St. Francis)  
8:15-10:15

**SESSION 11A: IMPLICATIONS FOR MINORITY GROUPS  
OF THE MOVEMENT TOWARD  
MINIMUM COMPETENCY TESTING (S)**

**Organizer/  
Moderator/**

**Discussant:** Robert A. Feldmesser, Educational Testing  
Service

**Participants:** A. Graham Down, Council for Basic Ed-  
ucation  
Ronald H. Lewis, Plainfield Schools  
M. Hayes Mizell, Southeastern Public Ed-  
ucation Program  
Hugh J. Scott, Hunter College of CUNY

Victoria (St. Francis)  
8:15-10:15

SESSION 11B: PERSPECTIVES OF LICENSURE EXAMINATIONS: NATIONAL VS. LOCAL (S)

Organizer: Theodore R. Cromack, State University of New York at Albany

Moderator: Paul S. Pottinger, The Center for the Study of the Professions

Participants: *Advantages of Administration and Control of Licensure Examinations on a National Scale*

Al Maslow, Educational Testing Service

*Advantages of Control and Administration of Licensure Examinations by Local Commissions*

Jimmie C. Fortune, Virginia Polytechnic Institute and State University

*The Development and Structure of Professional Examinations Planned for National Use*

James Hecht, American College Testing Program

*Characteristics of a Locally Developed Licensure Examination*

Theodore R. Cromack, The State University of New York at Albany

*Administration of a Local Licensure Examination*

Charles S. Coit, University of Maine at Portland

Discussants: Stephanie Blecharczyk, Keene State College  
Kathryn Hecht, University of Alaska, Fairbanks

Wednesday, April 11

Olympic South (St. Francis)  
8:15-10:15

SESSION 22.20: APPLYING THE RASCH MODEL TO  
EQUATE EXAMINATIONS IN THE FIELD  
OF MEDICINE (S)

Organizer: Anita I. Bell, National Board of Medical  
Examiners

Moderator: Charles F. Schumacher, National Board of  
Medical Examiners

Participants: *Equating Tests with the Rasch Model*  
David C. Kreines, National Board of Medical  
Examiners  
Ronald J. Mead, University of Chicago

*An Application of the Rasch Model to  
Common Person Equating*

Martin E. Grosse, National Board of Medical  
Examiners

*A Comparison of Three Equating Procedures  
on the Certifying Examination for Primary  
Care Physician's Assistants*

Anita I. Bell, National Board of Medical  
Examiners

*Equating Test Forms Scored Using the  
Rasch Model*

Francis P. Hughes, National Board of  
Medical Examiners

*Combined Common Person and Common  
Item Equating of Medical Science Ex-  
aminations*

Paul R. Kelley, National Board of Medical  
Examiners

Discussant: R. Robert Rentz, Georgia State University

Windsor (St. Francis)  
8:45-10:15

SESSION 11C: INFORMAL MEETING: DIRECTORS OF  
TEST SCORING OFFICES (M)

Organizer/

Moderator: H. Paul Kelley, University of Texas, Austin

Elizabethan A (St. Francis)  
10:35-12:05

SESSION 12A: THE INTRODUCTORY MEASUREMENT  
COURSE: WHAT SHOULD IT BE? HOW  
CAN IT BE ORGANIZED AND PRE-  
SENTED? (S)

Organizer: Annie W. Ward, University of South Florida

Moderator: Robert L. Ebel, Michigan State University

Participants:

*Review of Current Practice*

Edward Caldwell, University of South  
Florida

*Report of a Survey: What Measurement  
Skills Are Used by School Personnel and  
How They View Their Measurement Needs*

Bruce T. Hall, University of South Florida

*An Alternative to the Test and Measurement  
Course*

Annie W. Ward, University of South Florida

Discussants:

Henry Dyer, Educational Testing Service

Irvin J. Lehmann, Michigan State Uni-  
versity

Wednesday, April 11

Victoria (St. Francis)  
10:35-12:05

SESSION 12B: APPLICATIONS OF THE RASCH MODEL  
(P)

Moderator: Meryl S. Baker, Navy Personnel Research  
and Development Center

Participants: *Use of the Rasch Model to Solve Data  
Problems Encountered by the California  
Assessment Program*

Richard K. Hill, RMC Research Corporation

*How Minimal is Minimal?*

Ernest Bauer, Oakland Schools

Edward J. Slawski, Pontiac Schools

William R. Veitch, Oakland Schools

*The Stability of Rasch Item and Student  
Achievement Estimates for a Criterion-  
Referenced Test*

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

*An Application of the Rasch Model to  
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of Special Education Students*

Gale Roid, Oregon State System of Higher  
Education

Discussants: Ronald K Hambleton, University of Mass-  
achusetts, Amherst  
Mark D. Reckase, University of Missouri-  
Columbia

Windsor (St. Francis)  
10:35-12:05

SESSION 12C: NEEDS ASSESSMENT FOR STAFF AND  
PROGRAM DEVELOPMENT: METHODS,  
OUTCOMES AND LIMITATIONS (S)

Organizer: William M. McCook, University of Conn-  
ecticut

Moderator/  
Discussant: Robert K. Gable, University of Connecticut

Participants: *The Design and Implementation of a Model  
for the Assessment of Teacher Evaluation  
Needs*

Edward F. Iwanicki, University of Conn-  
ecticut

*The Prediction of In-Service Training Needs  
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Mildly Handicapped Children*

Raymond L. Pecheone, University of Rhode  
Island

Robert K. Gable, University of Connecticut

*Designing a Regional Training Program for  
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Application of Needs Assessment Methods*

William M. McCook, University of Conn-  
ecticut

Discussant: Roger Kaufman, Florida State University

Wednesday, April 11

Elizabethan A (St. Francis)  
12:25-2:25

SESSION 13A: TEACHING TECHNIQUES FOR INTRO-  
DUCTORY EDUCATIONAL MEASURE-  
MENT (S)

Organizer/  
Moderator:

Richard C. Cox, University of Pittsburgh

Participants:

*Test Development-A Systems Approach*

Desmond L. Cook, Ohio State University

*Student Generated Items as an Instructional  
Tool*

Kevin D. Crehan, University of Nevada, Las  
Vegas

*Method of Teaching Construction of Test  
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Bank*

John M. Enger, Arkansas State University

*Measurement as a Component of a Profes-  
sional Year*

Glen T. Graham, Wright State University

*Interview Exercise*

Bruce G. Rogers, University of Northern  
Iowa

*Construction, Administration and Analysis  
of a Classroom Test*

Hugh Taylor, University of Victoria

*In Service Workshops on Test Score Inter-  
pretation*

Duncan Mac Quarrie, Central Washington  
University

Gordon Ensign, Washington State Super-  
intendent of Public Instruction Office

*Test Wiseness*

Gordon E. Samson, Cleveland State Uni-  
versity

Victoria (St. Francis)  
12:25-1:55

SESSION 13B: USE OF EXISTING DATA BASES IN  
EVALUATION STUDIES — IS IT WORTH  
THE EFFORT? (S)

Organizer/  
Moderator: Theodore M. Kellogg, University of Rhode  
Island

Participants: *The Rhode Island Compensatory Education  
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Barbara Brittingham, University of Rhode  
Island

*The Study of Schools Project, 1977*  
Jennifer C. Greene, University of Rhode  
Island

*The Rhode Island ESEA Title III Impact  
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W. Lynn McKinney, University of Rhode  
Island

*Achievement in the Basic Skills: 4th/8th  
Grade Public and Parochial Schools, 1976*  
David S. Morton, University of Rhode Island

Discussants: Janice Baker and Pat DeVito, Rhode Island  
State Department of Education  
Leigh Burstein, University of California at  
Los Angeles

Wednesday, April 11

Windsor (St. Francis)  
12:25-1:55

**SESSION 13C: POTENTIALLY CONFOUNDING  
FACTORS IN TESTING II (P)**

Moderator: William E. Coffman, University of Iowa

Participants: *An Investigation of a Reviewer's Ability to  
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for Selected Groups of Subjects*

Barbara S. Plake, University of Nebraska —  
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*Response Length and Quality in the Grading  
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Nona Tollefson and D. B. Tracy, University  
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*Item Order, Response Format, Examinee  
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David J. Kleinke, Syracuse University

*Problems in Application of Latent Trait  
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William R. Koch and Mark D. Reckase,  
University of Missouri-Columbia

Discussants: Leonard L. Baird, Educational Testing  
Service  
Tom M. Haladyna, Oregon State System of  
Higher Education

Victoria (St. Francis)  
2:15-3:45

SESSION 14A: ISSUES IN CRITERION-REFERENCED TESTING (P)

Moderator: Jason Millman, Cornell University

Participants: *On the Reliability of Item Clusters*  
Spencer S. Swinton, Educational Testing Service

*The Reliability of Criterion Referenced Measures of Motor Behavior: A Comparative Study*

Margaret J. Safrit, University of Wisconsin, Madison

Carol L. Stamm, University of Iowa

*Some Guidelines for Determining the Length of Objectives-Based Criterion-Referenced Tests*

Ronald A. Berk, Johns Hopkins University

*The Relationship of Test Length to Criterion-Referenced Test Reliability and Validity*

Daniel R. Eignor, Educational Testing Service

Ronald K. Hambleton, University of Massachusetts, Amherst

Discussants: Barbara Hummel-Rossi, New York University  
Huynh Huynh, University of South Carolina

Windsor (St. Francis)  
2:45-3:45

SESSION 14B: A DEMONSTRATION: INTERACTIVE TESTING IN INTRODUCTORY EDUCATIONAL MEASUREMENT (S)

Organizer: Richard M. Evans, Morningside College

Participants: Richard M. Evans, Morningside College  
Alvin J. Surkan, University of Nebraska-Lincoln

Wednesday, April 11

Elizabethan A (St. Francis)  
4:05-6:05

SESSION 15A: MEASUREMENT ISSUES IN THE ASSESSMENT OF EXCEPTIONAL CHILDREN (S)

Organizer: Barbara A. Mowder, State University of New York at Albany

Moderator/  
Discussant: Philip L. Smith, University of Wisconsin-Milwaukee

Participants: *Assessing the Handicapped: The Legal Impact*

David P. Prasse, University of Wisconsin-Milwaukee

*Assessment of Severely and Profoundly Handicapped Students*

Mary Beth Fafard, University of Wisconsin-Milwaukee

*Instrumentation for Assessing Culturally Different: Some Conceptual Issues*

John Rosenbach, State University of New York at Albany

*Measurement Issues in the Assessment of Bilingual Handicapped Children*

Barbara A. Mowder, State University of New York at Albany

*Methodological Considerations in Nonbiased Assessment Procedures*

Lorraine K. Noval, State University of New York at Albany

*Issues in the Measurement of Reading: Reliability and Validity of Norm- vs. Criterion-Referenced Approaches*

Marcia D. Horne, State University of New York at Albany

Discussants: Ann Turnbull and H. R. Turnbull, University of North Carolina-Chapel Hill

Grand Ballroom (St. Francis)  
4:05-6:05

SESSION 27.13: ISSUES IN TESTING AND PUBLIC  
POLICY (S)

Organizer/  
Moderator: Winton H. Manning, Educational Testing  
Service

Participants: *Standards and Selectivity*  
Barbara Lerner, Visiting Scholar, Educa-  
tional Testing Service  
*Testing in the Post-Bakke Period*  
Alexander W. Astin, University of California  
at Los Angeles

Discussants: Edmund W. Gordon, Columbia University  
Melvin R. Novick, University of Iowa  
Melvin Tumin, Princeton University

**Wednesday, April 11**

Borgia (St. Francis)  
4:05-6:05

**SESSION 27.17: PRACTICAL USES OF ITEM RESPONSE THEORY (S)**

**Organizer:** Jane Faggen, Educational Testing Service

**Moderator:** Frederic Lord, Educational Testing Service

- Participants:** *Introduction*  
Jane Faggen, Educational Testing Service
- Item Response Theory: A Psychological View*  
Charles B. Kreitzberg, Educational Testing Service
- Assessing Post-Calibration Lack of Fit for Latent Trait Models*  
Isaac I. Bejar, Educational Testing Service
- Applicability of Two Logistic Models for Equating Test Scores When Tests and Samples Are Systematically Varied*  
Gary L. Marco, Nancy S. Petersen and E. Elizabeth Stewart, Educational Testing Service
- Preequating in the TOEFL Testing Program*  
William R. Cowell, Educational Testing Service
- Discussant:** Ronald K. Hambleton, University of Massachusetts, Amherst

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