



R. SULLIVAN

NCME

1975

Annual Meeting

Washington DC

March 31 • April 2

NATIONAL COUNCIL ON
MEASUREMENT IN EDUCATION

1975
ANNUAL MEETING
PROGRAM

Shoreham Americana and Washington Hilton Hotels
Washington, D.C.

March 31 - April 2, 1975

FOREWORD

As the 1975 Program goes to press it is interesting to look back over the past year and reflect on the many and varied activities which led us to this point. Even before the 1974 Annual Meeting had ended plans were being made for the 1975 Meeting, and since that time there has hardly been a dull moment. The frustrations, joys, complications, and other things all seem to fuse into one long continuous activity and somehow the problems encountered along the way seem much smaller in retrospect. As most members know, virtually all planning for the Program is completed with time and effort contributed by members. It is impossible to name all those who helped in so many ways with suggestions, criticisms, and offers to assist in any way. Without all their contributions our task would have been much more difficult, and to each of them I am deeply indebted.

My special thanks go to: Bill Russell and Pat Stivers of the AERA Central Office, who responded so well to all my queries; the President and Board of Directors whose suggestions were invaluable; and perhaps most of all to Ms. Adele Butterfield, whose typing skills and unlimited patience are without equal.

William R. Crawford

Los Angeles
January, 1975

NCME OFFICERS

President: Christine McGuire, University of Illinois at the Medical Center

President-elect: Thomas J. Fitzgibbon, Harcourt Brace Jovanovich, Inc.

Secretary-Treasurer: Irvin J. Lehmann, Michigan State University

BOARD OF DIRECTORS

Term Ending

J. Stanley Ahmann
Jason Millman
Willard Warrington

One Year

Margaret Fleming
Christine McGuire
David Payne

Two Years

Thomas Fitzgibbon
Daniel Stufflebeam
Annie Ward

Term Beginning

Joan Bollenbacher
Robert McMorris
Jason Millman

1975 PROGRAM COMMITTEE

William Crawford, Chairman, University of California, Los Angeles

Lois Burrill, Chairwoman-elect, Harcourt Brace Jovanovich, Inc.

Fred Pyrczak, Observations Coordinator, California State University, Los Angeles

Mary Fruen, Local Arrangements, Association of American Medical Colleges

Emmett Kohler, Abstracts Editor, Mississippi State University

Robert McMorris, Past Chairman, State University of New York at Albany

COMMITTEE CHAIRPERSONS

Budget and Finance

Howard Stoker
Florida State University

National Activities

Paul B. Campbell
Educational Testing Service

Membership

Jack Menne
Iowa State University

Publications

Thomas Fitzgibbon
Harcourt Brace Jovanovich

Nominations and Elections

Willard Warrington
Michigan State University

Special Publications

Annie W. Ward
University of South Florida

EDITORS

Journal of Educational Measurement

Richard Jaeger
University of South Florida

Measurement in Education

Carmen Finley
American Institute for
Research

Measurement News

John Yates
Harcourt Brace Jovanovich

TASK FORCE CHAIRPERSONS

Teacher Evaluation

W. James Popham
University of California,
Los Angeles

Measurement of Affective Outcomes

Nancy Cole
American College Testing
Program

Competency Based Education

Mary Ann Bunda
Western Michigan University

Measurement, Ethics, and the Law

Jack C. Merwin
University of Minnesota

ANNUAL MEETING HIGHLIGHTS

BOARD OF DIRECTORS MEETINGS

(All members are invited to attend as observers.)

7:00-10:00 p.m., Sunday, March 30 — 8:00 a.m.-6:00 p.m.,
Thursday, April 3 — Directors Room, Shoreham Americana

ANNUAL BREAKFAST AND BUSINESS MEETING — 8:00-
10:30 a.m., Tuesday, April 1 — International Ballroom West,
Washington Hilton

INVITED ADDRESS — *Hon. Albert H. Quie*, Member of Con-
gress — 2:15-3:45 p.m., Monday, March 31 — The Forum,
Shoreham Americana

NO-HOST COCKTAIL HOUR AND RECEPTION FOR MEM-
BERS AND GUESTS — 6:00-8:00 p.m., Tuesday, April 1 —
Monroe Room, Washington Hilton

AERA/NCME INVITATIONAL SYMPOSIUM — 7:00-9:00
p.m., Wednesday, April 2 — Regency Room, Shoreham Amer-
icana

PRE-SESSION: NATIONAL CONFERENCE ON THE FU-
TURE OF APPLIED PERFORMANCE TESTING (pre-
registration required) — 1:00-10:00 p.m., Sunday, March 30

POST-SESSION: PROGRAM EVALUATION AND STA-
TISTICAL CONCEPTS IN CRITERION-REFERENCED
TESTING (preregistration required) — 9:00 a.m.-5:00 p.m.,
Thursday, April 3 and Friday, April 4

POST-SESSION: MATRIX SAMPLING, PRINCIPLES AND
PRACTICES (preregistration required) — 8:30 a.m.-8:30
p.m., Thursday, April 3 and Friday, April 4

PROGRAM SUMMARY

	Monday, March 31 (Shoreham)	Tuesday, April 1 (Hilton)	Wednesday, April 12 (Shoreham)
8:45 -	1. Criterion-Referenced Measurement: I (P) (Forum)	Annual Breakfast & Business Meeting (Begins at 8:00 a.m.) (International Ballroom West)	17. Test Item Studies: II (P) (Forum)
10:15	2. Achievement Correlates (P) (Club A)		18. Cooperative Assessment of Experiential Learning (S) (Executive Room)
10:35 -	3. Matrix Sampling (P) (Forum)	9. Test Item Studies (P) (State)	19. Evaluation of Instruction (P) Forum
12:05	4. Attitude Measurement (P) (Club A)	10. Innovative Studies (P) (Monroe East)	20. A Conversation with the President (Club A)
	4A. Task Force on Teacher Evaluation (Club B)	10A. Program Committee (Monroe West)	20A. Task Force on Measurement, Ethics, and the Law (Club B)
12:25 -	5. Achievement Test Studies (P) (Forum)	11. Measurement of Characteristics of Educators (P) (State)	21. Non-Cognitive Variables (P) (Forum)
1:55	6. Self-Report Personality Measures (P) (Club A)	12. Program Evaluation (P) (Monroe East)	22. Criterion-Referenced Measurement and Educational Practice (S) (Club A)
		12A. Editorial Board Meeting (Monroe West)	22A. Task Force on Competency Based Education (Club B)

<p>2:15 - 3:45</p>	<p>INVITED ADDRESS Hon. Albert H. Quie Member of Congress (Forum)</p>	<p>13. Policies in Professional School Admissions (S) (Monroe West) 14. Measurement in Higher Education (P) (State) 14A. Task Force on the Measurement of Affective Outcomes (Monroe East)</p>	<p>23. Implementing, Evaluating, and Using a Statewide Assessment Program (S) (Forum) 24. Specific Problems in Measurement (P) (Club A)</p>
<p>4:05 - 5:35</p>	<p>7. Culture-Fairness in Testing (P) (Forum) 8. Student Evaluation of Instruction (P) (Club A)</p>	<p>15. Test Speededness: New Approaches to an Old Problem (S) (Lincoln West) 16.* Forum for the Advancement of State Educational Assessment Programs (S) (State) 16A. Publications Committee Meeting (Monroe East)</p>	<p>25. Criterion-Referenced Measurement: II (P) (Forum) 26. Test Wiseness (S) (Club A)</p>
<p>Evening</p>	<p>8A. Program Coordinator's Committee Meeting (Club B) (7:00-8:30)</p>	<p>NoHost Cocktails and Reception (Monroe West) (6:00-8:00)</p>	<p>27. Federal Perspectives on Educational Research (Regency) (7:00-9:00)</p>

*Concludes at 6:05

GENERAL INFORMATION

Shuttle Bus

A free shuttle bus will operate at regular brief intervals from 8 a.m. to 6 p.m., Monday through Thursday between the Shoreham Americana and Washington Hilton Hotels. Your NCME badge will admit you to the bus

Graduate Student Guests

The students whose names appear at the end of this program have been invited to attend the 1975 Annual Meeting as guests of the Council. This will provide them with an opportunity to become familiar with the activities of the Council and to provide the Program Committee with feedback from the meeting. Members may wish to extend a special welcome to these guests.

Committee and Task Force Meetings

Each Committee and Task Force of the NCME will convene at least once during the 1975 Annual Meeting. Schedules for some of these meetings can be found in the Program. A member who wishes to attend a meeting not scheduled in the Program should contact the chairperson of the committee as soon as possible to determine time and place of the meeting(s). All meetings are open to members of NCME who wish to observe.

Cocktail Hour and Reception

For the first time this year there will be a no-host cocktail hour and reception for members, spouses, and guests. The Committee, President, and Board of Directors sincerely hope that many members will take this opportunity to meet informally in the relaxed setting we have planned. No reservations are required. Please check the list of special activities for the time and place.

Conversation with the President

Christine McGuire has graciously consented to conduct a conversation hour at the time specified in the program listing. The purpose of this hour is to let members communicate in an informal and relaxed setting their comments and concerns about the Council and its functions. The Program Committee and the President request that all interested members avail themselves of this opportunity to let their views be known in a way which we hope will be more effective and efficient than the usual procedures of correspondence and discussion at the Business Meeting.

DETAILED PROGRAM

(P) indicates paper sessions

(S) indicates symposia

MONDAY

Forum (Shoreham) 8:45-10:15

SESSION 1: CRITERION-REFERENCED MEASUREMENT: I (P)

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

**Application of Criterion Referenced Measurement Principles
to the Evaluation of Behavior Modification Studies**

John C. Houtz and Sylvia Rosenfield, Fordham University

**A Criterion-Referenced Testing Model for Assessing Growth
in Reading**

*Irene Athey, University of Rochester and Robert P.
O'Reilly, The State Education Department, Albany, New
York*

Domain-Referenced Assessments in Program-Fair Evaluation

*William J. Doherty and Ralph A. Hanson, SWRL Educa-
tional Research and Development*

Discussants: *William Phillip Gorth, University of Massachusetts*
*Stuart M. Speedie, Northwest Regional Educa-
tional Laboratory*

Club A (Shoreham) 8:45-10:15

SESSION 2: ACHIEVEMENT CORRELATES (P)

Moderator: *Richard C. Cox, University of Pittsburgh*

**Comparative Prediction of First Year Graduate and Profes-
sional School Grades in Six Fields**

Leonard L. Baird, Educational Testing Service

**Variables Related to Academic Success for Associate Degree
Nursing Students**

Robert S. Meier, Purdue University

Carol L. Miller, Indiana University

T. Scott Wilk, Purdue University

MONDAY

Student Self-Prediction of Academic Achievement

Michael C. Holen, Kansas State University

The Use of the Comparative Guidance and Placement Test in Predicting College Achievement: Three Models

Kenneth Eltherich, Robert K. Gable and Steven V. Owen, University of Connecticut

Discussants: *Jules Grosswald, Division of Testing Services, School District of Philadelphia*

John Follman, University of South Florida

Forum (Shoreham) 10:35-12:05

SESSION 3: MATRIX SAMPLING (P)

Moderator: *Emmett Kohler, Mississippi State University*

Estimating Means Via Multiple Matrix Sampling: A Note on the Effects of Selected Data Base Characteristics

Robert A. Forsyth, University of Iowa

Estimation of Small Data-Base Group Parameters Utilizing Matrix Sampling

William John Evans, Research for Better Schools, Inc.

Minimizing Context Effect When Using Multiple Matrix Sampling

Richard K. Hill, California State Department of Education

Discussants: *Robert S. Barcikowski, Ohio University*

Thomas R. Knapp, University of Rochester

Club A (Shoreham) 10:35-12:05

SESSION 4: ATTITUDE MEASUREMENT (P)

Moderator: *Bruce G. Rogers, University of Maryland*

A Comparison of Five Criteria for Identifying Fakable Items on an Attitude Measure

Owen Scott, University of Georgia and Jerome Rohrback, West Georgia College

Pennsylvania's Preparing for a Changing World Instrument: A Validation Study

James R. Masters and Gregory A. Shannon, Pennsylvania Department of Education

MONDAY

The Validation of a Battery of Scales for Measuring Educational Attitudes

Henry H. Scherich, Houghton Mifflin Co.

Ernest L. Lewis, Southern Illinois University at Carbondale

Don Price, Quincy Public Schools, Quincy, Illinois

The E Scale: Development and Validation of an Attitude Scale on the Psychosocial Goals of the Schools

Bruce W. Hall and Melvin G. Villeme, University of South Florida

Discussants: *Susan Gross, Matteson School District 162, Matteson, Illinois*

Andrew R. Baggaley, University of Pennsylvania

Club B (Shoreham) 10:35-12:05

SESSION 4A: TASK FORCE ON TEACHER EVALUATION

Moderator: *W. James Popham, University of California, Los Angeles*

Forum (Shoreham) 12:25-1:55

SESSION 5: ACHIEVEMENT-TEST STUDIES (P)

Moderator: *Jacob G. Beard, Florida State University*

Evaluation of Anchor Test Norms for State Assessment: A Case Study

Robert J. Silverman, Dean H. Nafziger, and James R. Sanders, Northwest Regional Educational Laboratory

Alfred Rasp, Jr., Washington State Department of Education

An Assessment of the Quality of High School Mathematics Tests

Joseph M. Petrosko and Linda Hufano, Center for the Study of Evaluation

Development of Empirical "Growth Expectancies" for the METROPOLITAN ACHIEVEMENT TESTS

Michael D. Beck, Harcourt Brace Jovanovich, Inc.

Toward an Objective Group Measure of Cognitive Developmental Abilities

Thomas H. England, University of Nebraska and Carl D. Novak, Educational Service Unit #18, Lincoln, Nebraska

Discussant: *David W. Chambers, University of the Pacific Dental School*

MONDAY

Club A (Shoreham) 12:25-1:55

SESSION 6: SELF-REPORT PERSONALITY MEASURES (P)

Moderator: *Nira R. Levine, College of Optometry, Pacific University*

A Comparison of Differing Response Formats for a Self-Concept Questionnaire

Wayne M. Garrison and Kathryn W. Linden, Purdue University

Induced Response Bias on the State-Trait Anxiety Inventory

D. B. Tracy, E. P. Johnsen, and R. L. Hohn, University of Kansas

A Recipe for Creative Personality: Blend Two Parts Ingenuity, One Part Playfulness and a Dash of Daring

Michael J. Subkoviak and Gary A. Davis, University of Wisconsin

Stability and Concurrent Validity of the Rotter Internal-External Locus of Control Scale

William D. Zerega, Jr., M. S. Tseng and Katherine B. Greever, West Virginia University

Discussant: *Douglas J. Stanwyck, University of Maryland*

Forum (Shoreham) 2:15-3:45

INVITED ADDRESS:

The Honorable Albert H. Quie

*Member of Congress, 1st District, Minnesota
Education and Labor Committee, U. S. House of Representatives*

Forum (Shoreham) 4:05-5:35

SESSION 7: CULTURE-FAIRNESS IN TESTING (P)

Moderator: *William Mehrens, Michigan State University*

An Investigation of the Fairness of the Items of a Test Battery

Ronald L. Fishbein, Michigan Department of Education

A Further Examination of the Effects of Administering the METROPOLITAN READING TEST in Spanish and English to Spanish-Speaking School Entrants

Sylvia Cruz and Ines Heinrich, New Britain Public Schools

*Rose Quezada, Hamden-New Haven Cooperative
Perry Zirkel, University of Hartford*

MONDAY

The Influence of Sex-Typed Verbal Math Test Problems on Performance of Sixth Grade Students

Phyllis E. King and H. Parker Blount, Georgia State University

Content Influences on Sex Differences in Performance on Aptitude Tests

Barbara Strassberg-Rosenberg, State University of New York at Buffalo and Thomas F. Donlon, Educational Testing Service

Discussant: *Nancy S. Cole, American College Testing Program*

Club A (Shoreham) 4:05-5:35

**SESSION 8: STUDENT EVALUATION OF INSTRUCTION
(P)**

Moderator: *I. Jeffrey Ptaschnik, Stamford, Connecticut Public Schools*

Student Points of View in Ratings of College Instruction

John A. Centra, Educational Testing Service and Robert L. Linn, University of Illinois

Evidence for a Student-Centered Course Evaluation Form

Dennis R. Foster, M. Kay Alderman, John A. Bell and Carl N. Shaw, University of Houston

Two Items Per Rating Concept in Student Ratings of College Teaching Effectiveness

John Follman, University of South Florida

Covert Confounding in Student Evaluation of Instructional Ability

Gary W. Tubb and Walter F. Stenning, Texas A&M University

Discussants: *Lawrence M. Aleamoni, University of Illinois
Willard G. Warrington, Michigan State University*

Club B (Shoreham) 7:00-8:30

SESSION 8A: SPECIAL PROGRAMS COMMITTEE

Moderator: *Paul B. Campbell, Educational Testing Service*

TUESDAY

International Ballroom, West (Hilton) 8:00-10:15

ANNUAL BREAKFAST and BUSINESS MEETING

Christine McGuire, Presiding

State (Hilton) 10:35-12:05

SESSION 9: TEST ITEM STUDIES: I (P)

Moderator: *Bert W. Westbrook, North Carolina State University*

Relative Effectiveness of Three Item Selection Procedures on Test Reliability

Gordon W. White, Southern Illinois University

Leonard S. Feldt, University of Iowa

Darrell L. Sabers, University of Arizona

The Relationship Between Quality of Option Deleted and Item Discrimination Indices

Darrell Sabers and Keith Meredith, University of Arizona

Some Methodological Considerations in the Testing of Rasch Model Claims

T. Ramaswamy, Florida State University

An Analysis of Faceted Distractors Employed in Multiple-Choice, Selected-Response Word-Recognition Items in a Beginning Reading Program

Masahito Okada and Ronald Besel, Southwest Regional Laboratory for Educational Research and Development

Discussants: *Kenneth D. Hopkins, University of Colorado*

William C. Theimer, Jr., University of Southern California

Monroe East (Hilton) 10:35-12:05

SESSION 10: INNOVATIVE STUDIES (P)

Moderator: *Judilynn T. Foster, University of Southern California School of Medicine*

An Investigation of a Scoring Procedure Designed to Eliminate Score Variance Due to Guessing in Multiple-Choice Tests

Lawrence H. Cross, Virginia Polytechnic Institute and State University

An Examination of Decision Making Based on a Partial Credit Scoring System

J. Langdon Taylor, David B. West, and Fred C. Tinning, Michigan State University

TUESDAY

Making Decision Theory More Objective—An Application of the Delphi Technique to the Subjective Components of the Decision Theory Model

*Paul D. Novak, Michigan Department of Education and
Karl Runkle, University of Illinois*

A Causal Model of Level Two: Basic-Fundamental Movements, Level Three: Perceptual Abilities, and Level Four: Physical Abilities of the Taxonomy of the Psychomotor Domain

Joan T. Sessions, Kent State University

Discussant: *Robert McMorris, State University of New York,
Albany*

Monroe West (Hilton) 10:35-12:05

SESSION 10A: PROGRAM COMMITTEE MEETING

Moderator: *William R. Crawford, University of California, Los Angeles*

State (Hilton) 12:25-1:55

SESSION 11: MEASUREMENT OF CHARACTERISTICS OF EDUCATORS (P)

Moderator: *Fred Pyrczak, California State University, Los Angeles*

A Semantic Differential Instrument for Evaluating Conference Role Performance of Educational Administrators

*Alfred R. Hecht, Moraine Valley Community College,
Palos Hills, Illinois*

Competency Assessment Procedures for Training and Certifying the Child Development Associate

*Joy M. Menne, Central Iowa Associates, Inc.
Shirley Karas, Donna Nelson, and John W. Menne, Iowa
State University*

Measuring Teacher Value Systems

Russell Ames and Terry Lied, Purdue University

Discussants: *Thomas A. Tyler, International Personnel Management Association, Chicago*

Carol Fitz-Gibbon, University of California, Los Angeles

TUESDAY

Monroe East (Hilton) 12:25-1:55

SESSION 12: PROGRAM EVALUATION (P)

Moderator: *Gerald H. Lunney, Council of Independent Kentucky Colleges and Universities*

MORES: An Evaluation System Designed for Maximizing Cognitive Learning in Open Space Schools

Maurice F. Kalin, Howard County Public Schools, Columbia, Maryland and Richard Cook, Jackson Public Schools, Jackson, Michigan

An Evaluation Model for Program Treatment Effects

Rodger Marion, University of Kentucky

A Comparison of the Sensitivity of Two Item Selection Techniques for Program Evaluation

Edward A. Rakow, Peter W. Airasian and George F. Madaus, Boston College

The Systematic Evaluation of an Open School Educational Alternative

Richard J. Stiggins, Edina, Minnesota Public Schools and University of Minnesota

Discussants: *Robert Baker, Southwest Regional Education Laboratory*

J. Thomas Hastings, University of Illinois at Urbana-Champaign

Monroe West (Hilton) 12:25-1:55

SESSION 12A: EDITORIAL BOARD MEETING

Moderator: *Joan Bollenbacher, Cincinnati Public Schools*

Monroe West (Hilton) 2:15-3:45

SESSION 13: POLICY ISSUES IN PROFESSIONAL SCHOOL ADMISSIONS — DO OUR SELECTION TECHNIQUES MEET THE CHALLENGE (S)

Organizer: *James L. Angel*

Presenters: *James L. Angel*

Ayres D'Costa

Mary A. Fruen

James B. Erdmann

All from the Association of American Medical Colleges

TUESDAY

Discussants: *Christine McGuire, University of Illinois College of Medicine*
Donald Super, Teachers College, Columbia University

State (Hilton) 2:15-3:45

SESSION 14: MEASUREMENT IN HIGHER EDUCATION (P)

Moderator: *Marvin Alkin, University of California, Los Angeles*
Attitudes, Evaluation and Exam Practices of Faculty in a Small University

Gilles G. Nadeau, Universite de Moncton and McGill University

Comparative Reliabilities and Validities of Multiple Choice and Complex Multiple Choice Nursing Education Tests

Russell E. Dryden, Wichita State University and David A. Frisbie, University of Illinois

Concurrent Validity of the National Teacher Examinations

Norman Wexler, Educational Testing Service

Analyzing and Restructuring a National Admissions Test

Alfred B. Carlson, Educational Testing Service

Discussants: *Barbara J. Andrew, National Board of Medical Examiners*

Richard R. Reilly, Educational Testing Service

Monroe East (Hilton) 2:15-3:45

SESSION 14A: TASK FORCE ON THE MEASUREMENT OF AFFECTIVE OUTCOMES

Moderator: *Nancy Cole, American College Testing Program*

Lincoln West (Hilton) 4:05-5:35

SESSION 15: TEST SPEEDEDNESS: NEW APPROACHES TO AN OLD PROBLEM (S) (NCME/AERA Joint Symposium) (Same as AERA 14.16)

Organizer and

Moderator: *Thomas F. Donlon, Educational Testing Service*

Participants: *Susan E. Rindler, Northeastern University*
Richard E. Stafford, Bridgewater State University
Thomas F. Donlon, Educational Testing Service
Richard R. Reilly, Educational Testing Service

TUESDAY

Discussants: *Frederick B. Davis, University of Pennsylvania* ;
Harold G. Gulliksen, Educational Testing Service

State (Hilton) 4:05-6:05

SESSION 16: FORUM FOR THE ADVANCEMENT OF STATE EDUCATIONAL ASSESSMENT PROGRAMS (S)

Organizer and

Moderator: *Gordon Ascher, New Jersey State Department of
Education*

Participants: *Dale Carlson, California Department of Education*
Crane Walker, Florida Department of Education
*William Mathis, New Jersey Department of Edu-
cation*
*Alan Robertson, New York Department of Educa-
tion*
*Thomas Kendig, Pennsylvania Department of Edu-
cation*
Keith Cruse, Texas Education Agency

Discussants: *Lorrie Shepard, University of Colorado*
*Jack Schmidt, National Assessment of Educational
Progress*

Monroe East (Hilton) 4:05-5:35

SESSION 16A: PUBLICATIONS COMMITTEE MEETING

Moderator: *Thomas J. Fitzgibbon, Harcourt Brace Jovanovich,
Inc.*

WEDNESDAY

Forum (Shoreham) 8:45-10:15

SESSION 17: TEST ITEMS STUDIES II (P)

Moderator: *Robert J. Ambrosino, Albany Regional Medical Pro-
gram*

The Construction of Matching Tests: An Empirical Statement
*Gregory A. Shannon, Pennsylvania Department of Edu-
cation*

**Effect of Two Item-Writing Practices on Item and Test Char-
acteristics**

*Cynthia B. Schmeiser, The American College Testing Pro-
gram and Douglas R. Whitney, University of Iowa*

WEDNESDAY

Demand Characteristics of Multiple-Choice Items

*David V. Williams, Ithaca College and James J. Diamond,
University of Pennsylvania*

The Ineffectiveness of Multiple True-False Test Items

Robert L. Ebel, Michigan State University

Discussants: *John R. Bormuth, Center for Advanced Study in
the Behavioral Sciences*
James Diamond, University of Pennsylvania

Executive Room (Shoreham) 8:45-10:15

SESSION 18: COOPERATIVE ASSESSMENT OF EXPERI- ENTIAL LEARNING (S) (NCME/AERA Joint Symposium) (Same as AERA 18.06)

Organizer: *Warren W. Willingham, Educational Testing Ser-
vice*

Moderator: *Morris T. Keeton, Antioch College*

Participants: *Ambrey Forrest, Minnesota Metropolitan State
College*
*Warren W. Willingham, Educational Testing Ser-
vice*
Amiel T. Sharon, Educational Testing Service

Discussant: *C. Robert Pace, University of California, Los An-
geles*

Forum (Shoreham) 10:35-12:05

SESSION 19: EVALUATION OF INSTRUCTION (P)

Moderator: *Marvin W. Boss, University of Ottawa*

Divergent Perceptions of Teaching Effectiveness by Different Groups of Raters

*Ned K. Swartz, Old Dominion University and P. S. Vive-
kananthan, Virginia Polytechnic Institute and State Uni-
versity*

The Internal Consistency, Stability and Intercorrelation of Three Course Evaluation Instruments

John A. Bell, University of Houston

The Effect of Student, Course and Instructor Characteristics on Types of Items Used in Student Evaluation of Instruction

*Rina R. Weerts and Douglas R. Whitney, University of
Iowa*

WEDNESDAY

Assessment of Observational Items for Use in Competency-Based Teacher Education Programs

Alyce M. Fanslow and Leroy Wolins, Iowa State University

Discussants: *Keith E. Meredith, University of Arizona*
John L. Wasik, North Carolina State University

Club A (Shoreham) 10:35-12:05

SESSION 20: A CONVERSATION WITH THE PRESIDENT

Moderator: *Christine McGuire, University of Illinois College of Medicine; President, National Council on Measurement in Education*

Club B (Shoreham) 10:35-12:05

SESSION 20A: TASK FORCE ON MEASUREMENT, ETHICS AND THE LAW

Moderator: *Jack C. Merwin, University of Minnesota*

Forum (Shoreham) 12:25-1:55

SESSION 21: NON-COGNITIVE VARIABLES (P)

Moderator: *John P. DeCecco, San Francisco State University*
A Comparison of Peer Rating and Sociometric Nomination Data

Kevin Hynes, John F. Feldhusen, and Frederic W. Widlak, Purdue University

Measuring Quality of Interracial Interactions in Different Situations

Mary Strader Merritt, William E. Sedlacek and Glenwood C. Brooks, Jr., University of Maryland

The Preschool Rating Scale

William F. Barker, The Franklin Institute Research Laboratories

Differentiation of Classroom Environment Variables

Bikkar S. Randhawa and Dennis Hunt, University of Saskatchewan

Discussant: *Hulda Grobman, University of Illinois College of Medicine*

WEDNESDAY

Club A (Shoreham) 12:25-1:55

SESSION 22: CRITERION-REFERENCED MEASUREMENT AND EDUCATIONAL PRACTICE: APPLICATIONS AND IMPLICATIONS (S)

Organizer: *W. James Popham, University of California, Los Angeles*

Moderator: *Jason Millman, Cornell University*

Participants: *John Fremer, Educational Testing Service*
Stephen Klein, UCLA Center for the Study of Evaluation
Jacqueline B. Kosecoff, UCLA Center for the Study of Evaluation
Stephen Isaac, San Diego City Schools
W. James Popham, University of California, Los Angeles

Discussants: *Gordon Ascher, New Jersey State Department of Education*
William L. Bastendorf, United States Dependent Schools, European Area

Club B (Shoreham) 12:25-1:55

SESSION 22A: TASK FORCE ON COMPETENCY BASED EDUCATION

Moderator: *Mary Ann Bunda, Western Michigan University*

Forum (Shoreham) 2:15-3:45

SESSION 23: IMPLEMENTING, EVALUATING AND USING A STATEWIDE ASSESSMENT PROGRAM (S)

Organizer: *James Impara, Oregon State Department of Education*

Moderator: *Mary Hall, Oregon State Department of Education*

Participants: *Robert Clemmer, Oregon State Department of Education*
James Impara, Oregon State Department of Education
James Sanders, Northwest Regional Educational Laboratory
Peter Loret, Educational Testing Service, Berkeley
Mary Hall, Oregon State Department of Education

Discussant: *Irvin Lehmann, Michigan State University*

WEDNESDAY

Club A (Shoreham) 2:15-3:45

**SESSION 24: SPECIFIC PROBLEMS IN MEASUREMENT
(P)**

Moderator: *Margaret Fleming, Cleveland Public Schools*

**The Impact of Test Anxiety on Formative and Summative
Exam Performance in the Mastery Learning Model**

*John P. Poggio, Douglas R. Glasnapp, and John C. Ory,
University of Kansas*

Opportunity to Learn, Test Bias, and School Effects

Lorin W. Anderson, University of South Carolina

**Student Victimization and the Formulation of Test Construc-
tion Criteria**

Richard L. Poole, Westerville, Ohio

**Developing the California Entry Level Test: Construct Va-
lidity of the Subtests**

Lorrie Shepard, University of Colorado

Discussants: *Donald Ross Green, CTB/Mc Graw-Hill*

Peter W. Airasian, Boston College

Forum (Shoreham) 4:05-5:35

**SESSION 25: CRITERION-REFERENCED MEASUREMENT:
II (P)**

Moderator: *Mildred E. Katzell, The Psychological Corporation*

**Quotas, Task Difficulty and Performance Standards for Cri-
terion Referenced Tests**

James S. Terwilliger, University of Minnesota

**An Analysis of Two Procedures for Decisionmaking When
Using Domain-Referenced Tests**

*Thomas Haladyna, Southern Illinois University at Car-
bondale*

Criterion Referenced Item Analysis Using Bayes' Formula

*Carole Estes, Arizona Consortium for Individualized
Learning and Gary D. Estes, Phoenix Union High School
System*

Discussants: *W. L. Bashaw, University of Georgia*

Samuel A. Livingston, Educational Testing Service

WEDNESDAY

Club A (Shoreham) 4:05-5:35

SESSION 26: TEST WISENESS: THE EFFECT OF COGNITIVE AND BEHAVIORAL MODIFICATION PROCEDURES ON TEST TAKING BEHAVIOR OF ADULTS (S)

Organizer: *Harold F. Rahmlow, American College*

Participants: *Katheryn K. Woodley, American College*
John W. Bajtelsmit, American College
Stanley S. Jacobs, American College

Discussants: *Jason Millman, Cornell University*
Steven Jung, American Institutes for Research

Regency (Shoreham) 7:00-9:00 p.m.

SESSION 27: FEDERAL PERSPECTIVES ON EDUCATIONAL RESEARCH (S) (Joint AERA/NCME Symposium) (Same as AERA 23.01)

Organizer: *Gilbert Austin, Associate Director, Bureau of Educational Research, University of Maryland*

Discussants: *Robert C. Andringa, Minority Staff Director, House Committee on Education and Labor (Congressman Quie)*

Harley Dirks, Professional Staff Member, Committee on Appropriations (Senator Magnusson)

John W. Evans, Assistant Commissioner, Program Planning and Budgeting Evaluation, Department of Health, Education and Welfare

William F. Gaul, Associate General Counsel, Committee on Education and Labor (Congressman Perkins)

Allen Ginsberg, Economist, Office of the Assistant Secretary for Planning and Evaluation, Department of Health, Education and Welfare

Roy Millenson, Minority Staff Director, Senate Committee on Labor and Public Welfare (Senator Javits)

Reactors: *Michael Timpone, Senior Research Officer, Brookings Institution*

Robert Emans, Dean, College of Education, University of Maryland

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