

CURRICULUM VITAE OF PATRICIA B. ELMORE

I. PERSONAL

- A. Present University Department or Unit: College of Education and Human Services
- B. Office Address: College of Education and Human Services Dean's Office, Wham Building Room 115, Mailcode 4624, Southern Illinois University, Carbondale, IL 62901-4624 E-mail: pbelmore@siu.edu
- C. Home Address: 1640 Tina Drive, P. O. Box 1090 Murphysboro, IL 62966-1090

II. EDUCATION

- B.A. in L.A. & S. Southern Illinois University Carbondale, 1965 - Mathematics major and Chemistry minor
- M.S. in Ed. Southern Illinois University Carbondale, 1967 - Educational Psychology - Human Learning
- Ph.D. Southern Illinois University Carbondale, 1970 - Educational Psychology - Statistics & Measurement

III. PROFESSIONAL EXPERIENCE

- 1965-1966 Systems Engineer Trainee - IBM Corporation
- 1966-1967 Graduate Fellow  
Department of Guidance and Educational Psychology  
Southern Illinois University Carbondale
- 1967-1968 Instructor  
Department of Guidance and Educational Psychology  
Southern Illinois University Carbondale
- 1968-1970 Instructor  
Department of Guidance and Educational Psychology, and Psychometrist, Counseling & Testing Center  
Southern Illinois University Carbondale
- 1970-1973 Assistant Professor  
Department of Guidance and Educational Psychology, and Coordinator of Data Services, Counseling and Testing Center  
Southern Illinois University Carbondale
- 1973-1974 Assistant Professor  
Department of Guidance and Educational Psychology, and Research Associate, Student Affairs Research and Evaluation Center  
Southern Illinois University Carbondale

1974-1977	Associate Professor Department of Guidance and Educational Psychology, and Research Associate, Student Affairs Research and Evaluation Center Southern Illinois University Carbondale
1977-1980	Associate Professor Department of Guidance and Educational Psychology Southern Illinois University Carbondale
1980-1993	Professor Department of Educational Psychology Southern Illinois University at Carbondale
1993-1997	Professor Department of Educational Psychology and Special Education Southern Illinois University Carbondale
1998-present	Associate Dean for Administrative Services College of Education and Human Services Professor Department of Educational Psychology and Special Education Southern Illinois University Carbondale

IV. RESEARCH

A. Interests and Specialties:

1. Educational Measurement and Statistics
2. Teaching of Statistics
3. Assessment Training of Counselors
4. Mathematics Attitudes and Achievement
5. Psychology of Women

B. Current Projects:

1. Elmore, Patricia B. The relationship between selected variables and statistics achievement.
2. Elmore, Patricia B., & Ekstrom, Ruth B. Predicting counselor test use practices.
3. Cashin, Susan E., & Elmore, Patricia B. Measurement of attitudes toward statistics.
4. Elmore, Patricia B., Ekstrom, Ruth B., & Schafer, William D. Standards for school counselor competence in assessment and evaluation.

C. Grants Received:

- Elmore, Patricia B. Statewide assessment program for the affective domain for the State of Illinois: Item analysis and statistical analyses of attitude questionnaires. Funded by Illinois Office of Education for 1974-75.
- Elmore, Patricia B. Math anxiety: Its impact on graduate level statistics achievement. Funded by Special Research Program of the Office of Research Development and Administration of Southern Illinois University Carbondale for 1978-80.

- Pedersen, Katherine L., Elmore, Patricia B., & Bleyer, Dorothy R. A study of the attitudes of junior high school students toward mathematics. Funded by Special Research Program of the Office of Research Development and Administration of Southern Illinois University Carbondale for 1978-80.
- Pedersen, Katherine L., Elmore, Patricia B., & Bleyer, Dorothy R. Factors which affect continuation in the mathematics study sequence. Funded by Special Research Program of the Office of Research Development and Administration of Southern Illinois University Carbondale for 1982-84.
- Dillon, Ronna F., & Elmore, Patricia B. New approaches to predicting success in adult, vocational, and technical education programs. Funded by the Department of Adult, Vocational, and Technical Education for 1984-86.
- Klasek, Charles B., Elmore, Patricia B., et al. An enriched affiliations program between SIUC and the University of Sofia, Bulgaria, through the Bulgarian Council for Higher Education. Funded by United States Information Agency for 1987-89.
- Elmore, Patricia B. Extension to sabbatical leave for the study of predictors of statistics achievement. Funded by Southern Illinois University Carbondale for 1989
- Elmore, Patricia B. A survey of a sample of AMECD and ASCA members on test use and interpretation of test results. Funded by the American Association for Counseling and Development Foundation for 1989-90.
- Elmore, Patricia B. Summer research fellowship award. Measurement training of counselors employed in educational settings from three perspectives: School counselors, counselor educators, and measurement specialists. Funded by Southern Illinois University Carbondale for 1996.
- Schafer, William D., Ekstrom, Ruth B., & Elmore, Patricia B. Assessment activities of school counselors. Funded by the Association for Assessment in Counseling for 1996-1997.
- Elmore, Patricia B., & McIntyre, D. John. An Adventure of the American Mind. Funded by Library of Congress for 2002-2006.

D. Papers and Presentations at Professional Meetings:

- Gilbert, Norman, & Elmore, Patricia B. (1971, April). *Optical scanning*. Special interest workshop co-chaired at the spring conference of the Illinois College Psychometrist Association, Utica, IL.
- Elmore, Patricia B., & Beggs, Donald L. (1972, March). *Stability of teacher ratings and pupil behaviors in a classroom setting*. Paper presented at the meeting of the Association for Measurement and Evaluation in Guidance Division of the American Personnel and Guidance Association, Chicago, IL. Abstract published in the December, 1972 issue of *Research in Education*.
- Elmore, Patricia B., & Beggs, Donald L. (1972, April). *Salience of concepts and commitment to extreme judgments in the response patterns of teachers*. Paper presented at the meeting of the National Council on Measurement in Education, Chicago, IL.

- Elmore, Patricia B. (1972, April). *Evaluation of faculty: Development of an instrument*. Special interest workshop chaired at the spring conference of the Illinois College Psychometrist Association, Monticello, IL.
- Elmore, Patricia B. (1973, February). *Strategies for statewide assessment of learner needs*. Organizer for symposium conducted at the meeting of the National Council on Measurement in Education, New Orleans, LA
- Elmore, Patricia B., & LaPointe, Karen A. (1973, April). Student evaluation of female professors. In Annette M. Brodsky (Chair), *Psychology's role in women's studies*. Symposium conducted at the meeting of the Southeastern Psychological Association, New Orleans, LA. Abstract selected for publication in *College Student Personnel Abstracts*.
- Elmore, Patricia B. (1974, May). *Sex factors in the evaluation of teaching*. Chair of symposium conducted at the meeting of the Southeastern Psychological Association, Hollywood, FL.
- Elmore, Patricia B., Brodsky, Annette, & Naffziger, Nancy. (1975, March). *The attitudes toward feminist issues scale: A validation study*. Paper presented at the meeting of the American Personnel and Guidance Association, New York, NY. Abstract published in the December, 1975 issue of *Research in Education*.
- Vasu, Ellen S., & Elmore, Patricia B. (1975, April). *The effect of multicollinearity and the violation of the assumption of normality on the testing of hypotheses in regression analysis*. Paper presented at the meeting of the American Educational Research Association, Washington, DC.
- Bradshaw, Harley E., Elmore, Patricia B., & Laake, Dennis J. (1975, July). *Characteristics of students enrolled in a dental laboratory program*. Paper presented at the meeting of the American Educational Research Association North Central States SIG for Community-Junior College Research, Nashville, IN.
- Britton, Virginia H., & Elmore, Patricia B. (1976, April). *Leadership and self-development lab for women: A research report*. Paper presented at the meeting of the American Personnel and Guidance Association, Chicago, IL.
- Elmore, Patricia B., & Pohlmann, John T. (1976, April). *Effect of teacher, student, and class characteristics on the evaluation of college instructors*. Paper presented at the meeting of the American Educational Research Association, San Francisco, CA. Abstract published in the July, 1986 issue of *Resources in Education*. (ERIC Document Reproduction Service No. ED 120 235)
- Elmore, Patricia B., & Vasu, Ellen S. (1978, March). Math anxiety: Its impact on the graduate student. In William G. Miller (Chair), *Implications and programming for math anxious college students*. Symposium conducted at the meeting of the American College Personnel Association, Detroit, MI.
- Elmore, Patricia B. (1978, March). *Student evaluation of post-secondary instruction: Measurement issues*. Invited chair for paper session at the meeting of the American Educational Research Association, Toronto, Canada.

- Elmore, Patricia B., & Bleyer, Dorothy R. (1979, February). *Mathematics attitudes and achievement*. Paper presented at the meeting of the Illinois Council of Teachers of Mathematics, Carbondale, IL.
- Elmore, Patricia B. (1979, April). *A spectrum analysis of attitudes toward mathematics: Multifaceted research findings*. Organizer for symposium conducted at the meeting of the American Educational Research Association, San Francisco, CA. (ERIC Document Reproduction Service No. ED 173 175)
- Elmore, Patricia B., & Vasu, Ellen S. (1979, April). Math anxiety: Its impact on graduate level statistics achievement. In Patricia B. Elmore (Organizer and Chair), *A spectrum analysis of attitudes toward mathematics: Multifaceted research findings*. Symposium conducted at the meeting of the American Educational Research Association, San Francisco, CA. (ERIC Document Reproduction Service No. ED 178 331)
- Pedersen, Katherine, Elmore, Patricia B., & Bleyer, Dorothy, R. (1979, April). A study of attitudes of junior high school students toward mathematics. In Patricia B. Elmore (Organizer and chair), *A spectrum analysis of attitudes toward mathematics: Multifaceted research findings*. Symposium conducted at the meeting of the American Educational Research Association, San Francisco, CA.
- Elmore, Patricia B., & Vasu, Ellen S. (1980, August). Effect of affective and cognitive mathematics-related variables on statistics achievement. In Jeanne L. Sebaugh (Organizer and chair), *Math avoidance/anxiety and its relation to statistical education*. Invited paper in panel discussion presented at the meeting of the American Statistical Association, Houston, TX.
- Elmore, Patricia B. (1981, March). *Statistics/measurement*. Invited chair for paper session at the meeting of the Southeastern Psychological Association, Atlanta, GA.
- Elmore, Patricia B. (1981, April). *Math anxiety: Research and intervention strategies*. Organizer and chair of symposium conducted at the meeting of the American Personnel and Guidance Association, St. Louis, MO.
- Elmore, Patricia B., & Vasu, Ellen S. (1981, April). A model of statistics achievement using mathematics-related variables. In Patricia B. Elmore (Organizer and chair), *Math anxiety: Research and intervention strategies*. Symposium conducted at the meeting of the American Personnel and Guidance Association, St. Louis, MO.
- Elmore, Patricia B. (1982, August). *Evaluation and Measurement II*. Invited chair for paper session at the meeting of the American Psychological Association, Washington, DC.
- Broadbooks, Wendy J., & Elmore, Patricia B. (1983, April). *An investigation of the sampling distribution of the congruence coefficient*. Paper presented at the meeting of the American Educational Research Association, Montreal, Quebec, Canada. (ERIC Document Reproduction Service No. ED 231 885)
- Snyder, Vivian, & Elmore, Patricia B. (1983, April). *The validity of the ACT and Descriptive Tests of Language Skills*

for developmental students over a four-year college program. Paper presented at the meeting of the American Educational Research Association, Montreal, Quebec, Canada. (ERIC Document Reproduction Service No. ED 228 309)

Zakaria, Abdul A., Thirer, Joel, Elmore, Patricia B., & Baker, John. (1983, October). *Perceived values toward sport participation of Malaysian and American college students*. Paper presented at the meeting of the North American Society for the Sociology of Sport, St. Louis, MO.

Elmore, Patricia B. (1984, April). *The research process: Policies and issues*. Invited chair for paper session at the meeting of the American Educational Research Association, New Orleans, LA.

Elmore, Patricia B. (1984, April). *Test development and validation*. Invited moderator for paper session at the meeting of the National Council on Measurement in Education, New Orleans, LA.

Elmore, Patricia B. (1984, April). *Educational research: Where we've been and where we're going*. Organizer and moderator for symposium conducted at the meeting of the American Educational Research Association, New Orleans, LA.

Tracz, Susan M., & Elmore, Patricia B. (1985, April). *The effect of the violation of the assumption of independence when combining correlation coefficients in a meta-analysis*. Paper presented at the meeting of the American Educational Research Association, Chicago, IL.

Elmore, Patricia B., Broadbooks, Wendy J., Pedersen, Katherine, & Bleyer, Dorothy (1985, April). *A longitudinal study of career interests and mathematics attitudes for students at the eighth and twelfth grade levels*. Paper presented at the meeting of the American Educational Research Association, Chicago, IL. Abstract published in the December, 1985, issue of *Resources in Education*. (ERIC Document Reproduction Service No. ED 260 101)

Pedersen, Katherine, Tayeh, Carla, Elmore, Patricia B., & Bleyer, Dorothy (1985, April). *Causal models of continuation in the mathematics study sequence*. Paper presented at the meeting of the American Educational Research Association, Chicago, IL.

Tracz, Susan M., & Elmore, Patricia B. (1985, August). *The issue of nonindependence in correlational meta-analysis*. Paper presented at the meeting of the American Statistical Association, Las Vegas, NV.

Pedersen, Katherine, Bleyer, Dorothy, Elmore, Patricia B., & Tayeh, Carla (1986, April). *Gender differences in continuation in the mathematics study sequence*. Paper presented at the meeting of the National Council of Teachers of Mathematics, Washington, DC.

Elmore, Patricia B. (1986, April). *Issues in multivariate data analysis and structural equations modeling*. Invited chair for paper session at the meeting of the American Educational Research Association, San Francisco, CA.

- Pedersen, Katherine, Tayeh, Carla, Elmore, Patricia B., & Bleyer, Dorothy. (1986, April). *Parent careers and attitude toward mathematics as a male domain*. Paper presented at the meeting of the American Educational Research Association, San Francisco, CA.
- Diamond, Esther E., & Elmore, Patricia B. (1986, July). *Sex and racial/ethnic bias in achievement testing*. Paper presented at the meeting of the International Council of Psychologists, Tel Aviv, Israel.
- Diamond, Esther E., & Elmore, Patricia B. (1986, August). *Bias in achievement testing: Follow-up report of the AMECD Committee on Bias in Measurement*. Paper presented at the meeting of the American Psychological Association, Washington, DC.
- Elmore, Patricia B. (1987, April). *Research Section*. Invited presider for paper session at the meeting of the National Council of Teachers of Mathematics, Anaheim, CA.
- Elmore, Patricia B., Diamond, Esther E., & Ekstrom, Ruth. (1987, April). *Workshop on fairness in test selection, interpretation, and use in counseling*. Paper presented at the meeting of the American Association for Counseling and Development, New Orleans, LA.
- Elmore, Patricia B. (1987, April). *Teaching research methods*. Invited chair for paper session at the meeting of the American Educational Research Association, Washington, DC.
- Elmore, Patricia B., Diamond, Esther E., & Ekstrom, Ruth B. (1988, March). *Using tests responsibly in counseling*. Paper presented at the meeting of the American Association for Counseling and Development, Chicago, IL. (ERIC Document Reproduction Service No. ED 295 073)
- Elmore, Patricia B., & Woehlke, Paula L. (1988, April). *Research methods employed in American Educational Research Journal, Educational Researcher, and Review of Educational Research from 1978 to 1987*. Paper presented at the meeting of the American Educational Research Association, New Orleans, LA. (ERIC Document Reproduction Service No. ED 296 653)
- Farley, Mary Jane, & Elmore, Patricia B. (1988, October). *The prediction of reading comprehension from critical thinking skills, cognitive ability, and vocabulary for underachieving college freshmen*. Paper presented at the meeting of the Mid-Western Educational Research Association, Chicago, IL.
- Elmore, Patricia B., Diamond, Esther E., & Ekstrom, Ruth B. (1989, March). *Critical issues in test use and interpretation*. Invited paper presented at the meeting of the American Association for Counseling and Development, Boston, MA. Abstract published in October, 1989, issue of *Resources in Education*. (ERIC Document Reproduction Service No. ED 307 333)
- Elmore, Patricia B. (1989, April). *Building a theoretical model of statistics achievement using affective and cognitive mathematics-related variables*. Invited seminar presented at Educational Testing Service, Princeton, NJ.
- Elmore, Patricia B. (1989, May). *Effect of spatial and*

*mathematical ability, mathematics and feminist attitudes, and selected background variables on graduate-level statistics achievement.* Invited paper presented at American College Testing Program, Iowa City, IA.

- Elmore, Patricia B. & Pohlmann, John T. (1990, April). *Teaching multiple regression: Current issues.* Organizer for symposium conducted at the meeting of the American Educational Research Association, Boston, MA.
- Woehlke, Paula L., Elmore, Patricia B., & Spearing, Debra L. (1990, April). *Testing assumptions in multiple regression: Comparison of procedures available in SAS and SPSSX.* Paper presented at the meeting of the American Educational Research Association, Boston, MA.
- Elmore, Patricia B. (1990, April). *Further investigations of gender differences in test performance.* Invited discussant for symposium at the meeting of the American Educational Research Association, Boston, MA.
- Elmore, Patricia B., Ekstrom, Ruth B., & Diamond, Esther E. (1991, April). *Predicting counselors' test use practices.* Paper presented at the meeting of the American Educational Research Association, Chicago, IL.
- Elmore, Patricia B. (1991, April). *University students' computer and statistics attitudes: A cross-cultural perspective.* Organizer for symposium conducted at the meeting of the American Educational Research Association, Chicago, IL.
- Elmore, Patricia B., & Lewis, Ernest L. (1991, April). *Statistics and computer attitudes and achievement of students enrolled in applied statistics: Effect of a computer laboratory.* Paper presented at the meeting of the American Educational Research Association, Chicago, IL.
- Elmore, Patricia B. (1991, April). *Fair test use promotes social wellness throughout the lifespan.* Invited chair for paper session at the meeting of the American Association for Counseling and Development, Reno, NV.
- Elmore, Patricia B. (1991, October). *Test validation.* Invited discussant for paper session at the meeting of the Mid-Western Educational Research Association, Chicago, IL.
- Elmore, Patricia B., Ekstrom, Ruth B., Diamond, Esther E., & Whittaker, Shaun. (1991, November). *School counselors' test use patterns and practices.* Paper presented at the meeting of the Illinois Association for Counseling and Development, Springfield, IL.
- Elmore, Patricia B., & Ekstrom, Ruth B. (1992, July). *Survey of test use practices of counselors who have and have not read test use guidelines.* Paper presented at the American Association for Counseling and Development Bilateral Conference, Edinburgh, Scotland.
- Elmore, Patricia B., Lewis, Ernest L., & Bay, Maria Luz G. (1993, April). *Statistics achievement: A function of attitudes and related experiences.* Paper presented at the meeting of the American Educational Research Association, Atlanta, GA. (ERIC Document Reproduction Service No. ED 360 324)

- Elmore, Patricia B. (1994, April). *Current trends and issues in teaching statistics*. Invited chair/critic for paper session at the meeting of the American Educational Research Association, New Orleans, LA.
- Elmore, Patricia B. (1994, April). *Measurement issues*. Invited discussant for paper session at the meeting of the American Educational Research Association, New Orleans, LA.
- Elmore, Patricia B. (1994, April). *Counselors' knowledge of test use guidelines: A focus on multicultural standards*. Paper presented at the meeting of the American Counseling Association, Minneapolis, MN.
- Elmore, Patricia B. (1994, October). *Choosing the right method*. Invited chair for paper session at the meeting of the Mid-Western Educational Research Association, Chicago, IL.
- Elmore, Patricia B. (1994, October). *Professional preparation: A symposium for graduate students*. Discussant for symposium at the meeting of the Mid-Western Educational Research Association, Chicago, IL.
- Schafer, William D., Ekstrom, Ruth B., & Elmore, Patricia B. (1995, January). *Assessment standards for school counselor education*. Paper presented at Assessment '95: New Directions and Resources Conference sponsored by the Association for Assessment in Counseling and ERIC Counseling and Student Services Clearinghouse, Tucson, AZ.
- Elmore, Patricia B. (1995, April). Review of the Armed Services Vocational Aptitude Battery, Career Exploration Program. In Gary W. Peterson and Jerome T. Kapes (Organizers and Chairs), *Invited interactive symposium: Review and critique of comprehensive career assessment instruments*. Symposium conducted at the meeting of the American Educational Research Association, San Francisco, CA.
- Elmore, Patricia B. (1995, April). *Selected topics in multiple linear regression*. Invited chair for paper session at the meeting of the American Educational Research Association, San Francisco, CA.
- Elmore, Patricia B., & Woehlke, Paula L. (1996, April). *Research methods employed in American Educational Research Journal, Educational Researcher, and Review of Educational Research from 1978 to 1995*. Paper presented at the meeting of the American Educational Research Association, New York, NY.
- Lyerla, Rob L., & Elmore, Patricia B. (1996, April). *Predicting academic success: An application of Young's universal scale for grades*. Paper presented at the meeting of the American Educational Research Association, New York, NY.
- Elmore, Patricia B. (1996, April). *Techniques and technologies for teaching research and statistics*. Invited chair/discussant for paper session at the meeting of the American Educational Research Association, New York, NY.
- Schafer, William D., Webster, Barbara, Ekstrom, Ruth B., & Elmore, Patricia B. (1996, April). *Assessment and school counseling*. Paper presented at the meeting of the American Counseling

Association, Pittsburgh, PA.

Webster, Barbara, Ekstrom, Ruth B., & Elmore, Patricia B. (1996, June). *School counselor assessment competencies*. Paper presented at the meeting of the American School Counselor Association, Indianapolis, IN.

Cashin, Susan E., & Elmore, Patricia B. (1996, October). *Comparison of psychometric characteristics of instruments used to assess attitudes toward statistics*. Paper presented at the meeting of the Mid-Western Educational Research Association, Chicago, IL.

Cashin, Susan E., & Elmore, Patricia B. (1997, March). *Instruments used to assess attitudes toward statistics: A psychometric evaluation*. Paper presented at the meeting of the American Educational Research Association, Chicago, IL.

Elmore, Patricia B., Schafer, William D., Webster, Barbara, & Trotter, Thomas V. (1997, April). *Assessment competencies for professional school counselors*. Paper presented at the meeting of the American Counseling Association, Orlando, FL.

Elmore, Patricia B., Ekstrom, Ruth B., Schafer, William D., & Webster, Barbara. (1998, January). *Standards for tests and testing professionals/Standards for school counselors' competence in assessment and evaluation*. Invited paper presented at Assessment '98 sponsored by the Association for Assessment in Counseling, ERIC Clearinghouse on Counseling and Student Services, and National Board for Certified Counselors, St. Petersburg, FL.

Elmore, Patricia B., Ekstrom, Ruth B., Schafer, William D., & Webster, Barbara. (1998, January). *School counselors' activities and training in assessment and evaluation*. Invited paper presented at Assessment '98 sponsored by the Association for Assessment in Counseling, ERIC Clearinghouse on Counseling and Student Services, and National Board for Certified Counselors, St. Petersburg, FL.

Elmore, Patricia B., & Woehlke, Paula L. (1998, April). *Twenty years of research methods employed in American Educational Research Journal, Educational Researcher, and Review of Educational Research*. Paper presented at the meeting of the American Educational Research Association, San Diego, CA. (ERIC Document Reproduction Service No. ED 420 701)

Stephenson, Agnes S., Elmore, Patricia B., & Evans, John A. (1998, April). *Standard setting techniques: A comparison of methods based on judgments about test questions and methods based on test takers*. Paper presented at the meeting of the American Educational Research Association, San Diego, CA.

Elmore, Patricia B. (1998, April). *Looking closely at motivation, analysis methods, reporting, and consequences of testing*. Invited chair at the meeting of the American Educational Research Association, San Diego, CA.

Webster, Barbara, Ekstrom, Ruth B., & Elmore, Patricia B. (1998, June). *Assessment competencies for professional school counselors*. Paper presented at the meeting of the American

School Counselor Association, San Antonio, TX.

- Elmore, Patricia B., Ekstrom, Ruth B., Schafer, William D., Trotter, Thomas V., & Webster, Barbara. (1999, April). *Essential assessment and evaluation competencies for school counselors*. Paper presented at the meeting of the American Counseling Association, San Diego, CA.
- Elmore, Patricia B. (1999, April). *Practical aspects of integrating statistical consulting and teaching*. Invited chair/discussant for symposium at the meeting of the American Educational Research Association, Montreal, Canada.
- Elmore, Patricia B. (1999, April). *Utilization of textbooks in courses in educational research and statistics: Views of textbook authors and others*. Invited panelist for panel at the meeting of the American Educational Research Association, Montreal, Canada.
- Elmore, Patricia B. (2000, April). *Setting standards and passing scores*. Invited discussant for paper session at the meeting of the National Council on Measurement in Education, New Orleans, LA.
- Woehlke, Paula L., Elmore, Patricia B., & Rotou, Ourania (2000, April). *Twenty years of graphic methods in American Educational Research Journal, Educational Researcher, and Review of Educational Research*. Paper presented at the meeting of the American Educational Research Association, New Orleans, LA.
- Elmore, Patricia B. (2000, April). *Teaching and learning statistics*. Invited discussant for paper session at the meeting of the American Educational Research Association, New Orleans, LA.
- Cashin, Susan E., & Elmore, Patricia B. (2000, October). *The Survey of Attitudes Toward Statistics Scale: A construct validity study*. Paper presented at the meeting of the Mid-Western Educational Research Association, Chicago, IL.
- Elmore, Patricia B. (2001, March). *Publishing in ACA refereed journals: Suggestions from the Council of Editors*. Presenter at the meeting of the American Counseling Association, San Antonio, TX.
- Elmore, Patricia B. (2001, April). *Getting published: Journal editors spell out tacit rules*. Presenter for Professional Development and Training Course at the meeting of the American Educational Research Association, Seattle, WA.
- Rotou, Ourania, Elmore, Patricia B., & Headrick, Todd C. (2001, April). *Number correct scoring: Comparison between classical true score theory and multidimensional item response theory*. Paper presented at the meeting of the American Educational Research Association, Seattle, WA. (ERIC Document Reproduction Service No. ED 453 259)
- Elmore, Patricia B. (2001, April). *Teaching educational statistics for the 21st century: An interactive symposium*. Invited

discussant for symposium at the meeting of the American Educational Research Association, Seattle, WA.

- Elmore, Patricia B. (2001, April). *The general linear model: Multiple linear regression issues and applications*. Chair for paper session at the meeting of the American Educational Research Association, Seattle, WA.
- Elmore, Patricia B., & Rotou, Ourania (2001, April). A primer on basic effect size concepts. In Bruce Thompson (Organizer), *Effect size indices: How we know how much we know*. Symposium conducted at the meeting of the American Educational Research Association, Seattle, WA. (ERIC Document Reproduction Service No. ED 453 260)
- Elmore, Patricia B. (2001, April). *Research on large-scale surveys of educational achievement*. Invited discussant for paper session at the meeting of the American Educational Research Association, Seattle, WA.
- Elmore, Patricia B. (2002, March). *Publishing in ACA refereed journals: Suggestions from the Council of Editors*. Presenter at the meeting of the American Counseling Association, New Orleans, LA.
- Elmore, Patricia B. (2002, April). *Issues in multiple regression and the general linear model*. Invited discussant for paper session at the meeting of the American Educational Research Association, New Orleans, LA.
- Elmore, Patricia B. (2002, April). *Investigations of meta analytic methods*. Invited chair for paper session at the meeting of the American Educational Research Association, New Orleans, LA.
- Elmore, Patricia B. (2002, April). *Issues in teaching research*. Invited discussant for paper session at the meeting of the American Educational Research Association, New Orleans, LA.
- Elmore, Patricia B. (2002, April). *Getting published: Journal editors spell out tacit rules*. Presenter for Professional Development and Training Course at the meeting of the American Educational Research Association, New Orleans, LA.
- Elmore, Patricia B. (2003, March). *Publishing in ACA refereed journals: Suggestions from the Council of Editors*. Presenter at the meeting of the American Counseling Association, Anaheim, CA.
- Elmore, Patricia B. (2003, April). *Getting published: Journal editors spell out tacit rules*. Presenter for Professional Development and Training Course at the meeting of the American Educational Research Association, Chicago, IL.
- Elmore, Patricia B. (2004, April). *Publishing in ACA refereed journals: Suggestions from the Council of Editors*. Presenter at the meeting of the American Counseling Association, Kansas City, MO.
- Elmore, Patricia B. (2004, April). *Measuring up: Assessment issues for teachers, counselors, and administrators. Assessment competencies for school counselors*. Paper presented at the

meeting of the American Counseling Association, Kansas City, MO.

Elmore, Patricia B. (2004, April). *Complementary methods for research in education I: Overview and new directions*. Chair and presenter at the meeting of the American Educational Research Association, San Diego, CA.

Elmore, Patricia B. (2004, April). *Complementary methods for research in education II: Meet the authors and reviewers*. Chair and presenter at the meeting of the American Educational Research Association, San Diego, CA.

Elmore, Patricia B. (2004, April). *Getting published: A panel of journal editors and emerging scholars*. Director/presenter for Professional Development and Training Course at the meeting of the American Educational Research Association, San Diego, CA.

## V. PUBLICATIONS

### A. Books:

Elmore, Patricia B., & Woehlke, Paula L. (1997). *Basic statistics*. New York, NY: Addison Wesley Longman, Inc.

Green, Judith, Camilli, Gregory, & Elmore, Patricia B. (Eds.) (in process). *Complementary Methods for Research in Education* (3<sup>rd</sup> edition). Washington, DC: American Educational Research Association.

### B. Articles in Professional Journals:

Elmore, Patricia B., & White, Gordon W. (1974). A data service system. *AEDS Monitor*, 12, 5 and 14.

Elmore, Patricia B., & LaPointe, Karen A. (1974). Effect of teacher sex and student sex on the evaluation of college instructors. *Journal of Educational Psychology*, 66, 386-389. Abstracted in *Health Education Monographs*, 1975, 3, (1).

Elmore, Patricia B., & LaPointe, Karen A. (1975). Effect of teacher sex, student sex, and teacher warmth on the evaluation of college instructors. *Journal of Educational Psychology*, 67, 368-374.

Vasu, Ellen S., & Elmore, Patricia B. (1975). The effect of multicollinearity and the violation of the assumption of normality on the testing of hypotheses in regression analysis. *Multiple Linear Regression Viewpoints*, 6, 21-50.

Elmore, Patricia B., & Beggs, Donald L. (1975). Salience of concepts and commitment to extreme judgments in the response patterns of teachers. *Education*, 95, 325-330.

Elmore, Patricia B., & Beggs, Donald L. (1975). Consistency in teacher ratings of pupil personality traits in a classroom setting. *Measurement and Evaluation in Guidance*, 8, 70-74.

Elmore, Patricia B., & Pohlmann, John T. (1975). An automated instructor evaluation system. *AEDS Journal*, 8, 108-116.

Pohlmann, John T., & Elmore, Patricia B. (1976). The Instructional Improvement Questionnaire. *Journal of*

*Educational Measurement*, 13, 161-163.

- Brodsky, Annette M., Elmore, Patricia B., & Naffziger, Nancy. (1976). Development of the attitudes toward feminist issues scale. *Measurement and Evaluation in Guidance*, 9, 140-145.
- Britton, Virginia, & Elmore, Patricia B. (1977). Leadership and self-development workshop for women. *Journal of College Student Personnel*, 18, 318.
- Elmore, Patricia B., & Pohlmann John T. (1978). Effect of teacher, student, and class characteristics on the evaluation of college instructors. *Journal of Educational Psychology*, 70, 187-192.
- Britton, Virginia, & Elmore, Patricia B. (1979). Developing leadership skills in women students. *NASPA Journal*, 16, 10-14.
- Elmore, Patricia B., & Vasu, Ellen S. (1980). Relationship between selected variables and statistics achievement: Building a theoretical model. *Journal of Educational Psychology*, 72, 457-467.
- Elmore, Patricia B., & Vasu, Ellen S. (1980). Effect of affective and cognitive mathematics-related variables on statistics achievement. *Proceedings of the 1980 Annual Convention of the American Statistical Association Section on Statistical Education*, 1-2.
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- Pedersen, Katherine, Elmore, Patricia B., & Bleyer, Dorothy R. (1985). Attitudes and career interests of junior high mathematics students: Implications for the classroom. *Arithmetic Teacher*, 32(7), 45-49.
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- Tracz, Susan M., & Elmore, Patricia B. (1985). The issue of nonindependence in correlational meta-analyses. *Proceedings of the 1985 Annual Convention of the American Statistical Association Section on Statistical Education*, 164-168.

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- Diamond, Esther E., & Elmore, Patricia B. (1986). Bias in achievement testing: Follow-up report of the AMECD Commission on Bias in Measurement. *Measurement and Evaluation in Counseling and Development, 19*, 102-112.
- Pedersen, Katherine, Tayeh, Carla, Elmore, Patricia B., & Bleyer, Dorothy. (1986). Factors affecting election of a computer course in high school. *AEDS Journal, 20*(1), 21-30.
- Broadbooks, Wendy J., & Elmore, Patricia B. (1987). A monte carlo study of the sampling distribution of the congruence coefficient. *Educational and Psychological Measurement, 47*, 1-11.
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- Elmore, Patricia B., & Woehlke, Paula L. (1988). Research methods employed in *American Educational Research Journal*, *Educational Researcher*, and *Review of Educational Research* from 1978 to 1987. *Significant Perspectives, 11*(1), 5-6.
- Elmore, Patricia B., & Woehlke, Paula L. (1988). Statistical methods employed in *American Educational Research Journal*, *Educational Researcher*, and *Review of Educational Research* from 1978 to 1987. *Educational Researcher, 17*(9), 19-20.
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- Stephenson, Agnes S., Elmore, Patricia B., & Evans, John A. (2000). Standard setting techniques: An application for counseling programs. *Measurement and Evaluation in Counseling and Development*, 32(4), 229-244.
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- Elmore, Patricia B., & Hillkirk, R. Keith (2003). Development of a mentoring program for College of Education and Human Services faculty. *The Health Education Monograph Series*, 20(1), 1-5.
- Ekstrom, Ruth B., Elmore, Patricia B., Schafer, William D., Trotter, Thomas V., & Webster, Barbara (in press). A survey of Assessment and evaluation activities of school counselors. *Professional School Counseling*.

C. Chapters in Professional Books:

- Elmore, Patricia B. (1970). Using ACT at Southern Illinois University. In *Good Users of ACT data and services*. Iowa City, IA: American College Testing Program.
- Elmore, Patricia B. (1973). Using ACT at Southern Illinois University at Carbondale. In David S. Crockett (Ed.), *Good Users of ACT data and services*. Iowa City, IA: American College Testing Program.
- Elmore, Patricia B., & Bradley, Richard W. (1994). ASVAB career exploration program review. In J. T. Kapes, M. M. Mastie, & E. Whitfield (Eds.), *A counselor's guide to career assessment instruments* (3rd ed., pp. 73-77). Alexandria, VA: National Career Development Association.
- Ekstrom, Ruth B., Elmore, Patricia B., & Schafer, William D. (1997). Chapter 3. Standards for educational and psychological tests and testing professionals. In Ronna F. Dillon (Ed.), *Handbook on testing* (pp. 39-64). Westport, CT: Greenwood Press.
- Elmore, Patricia B., & Bradley, Richard W. (2001). Chapter 27. Quantitative research methods. In D. C. Locke, J. E. Myers, & E. L. Herr (Eds.), *The handbook of counseling* (pp. 467-479). Beverly Hills, CA: Sage Publications, Inc.
- Elmore, Patricia B., Ekstrom, Ruth B., Hutchinson, Darren, Mastie, Marjorie, O'Rourke, Kathy, Schafer, William, Trotter, Thomas, & Webster, Barbara (2001). Chapter 8. Competencies in assessment

and evaluation for school counselors. In G. R. Walz & J. C. Bleuer (Eds.), *Assessment issues and challenges for the millennium* (pp. 95-100). Greensboro, NC: ERIC Counseling and Student Services Clearinghouse.

Elmore, Patricia B., & Ekstrom, Ruth B. (2004). Chapter 31. Assessment competencies for school counselors. In J. E. Wall & G. R. Walz (Eds.), *Measuring up: Assessment issues for teachers, counselors, and administrators* (pp. 443-451). Greensboro, NC: ERIC Counseling and Student Services Clearinghouse.

## VI. TEACHING EXPERIENCE

### A. Teaching Interests and Specialties:

1. Educational Measurement and Statistics
  - a. Elementary Statistical Methods
  - b. Inferential Statistics
  - c. Multiple Regression
  - d. Principles of Measurement
  - e. Advanced Measurement Theory
  - f. Techniques of Scaling
  - g. Classroom Test Construction
  - h. Issues in Educational Measurement

### 2. Educational Psychology

### B. Teaching and Training Grants:

Mini-sabbatical funded by Undergraduate Teaching and Curriculum Committee for "The Mathematics Filter: A New Look at an Old Problem" June 21-22, 1979, Denver, CO

### C. Current Graduate Faculty Status: Membership and Approved to Chair Dissertations

### D. Number of Master's and Ph.D. Committees on which you have served:

Master's Committees: 61  
Ph.D. Committees: 151

### E. Names of Students who have completed Master's Theses and Doctoral Dissertations under your direction:

Master's Theses: Wendy J. Broadbooks  
Doctoral Dissertations: Ellen Storey Vasu  
Wendy J. Broadbooks  
Susan M. Tracz  
Matthew P. Stephens  
Rob L. Lyerla  
Maria Luz Gamier Bay  
Dimitar M. Dimitrov  
Agnes S. Stephenson  
Susan E. Cashin  
Ourania Rotou

## VII. UNIVERSITY EXPERIENCE

### A. Department Committees:

1. Member of Faculty-Student Advisory Committee for University Testing, 1970-72

2. Member of Department of Educational Psychology Advisory Committee, 1973-76, 1977-78, 1984-85, 1989-90, 1995-96
3. Member of Statistics and Measurement Curriculum Committee for Modification of Guidance 580, Doctoral Seminar in Educational Measurement and Statistics, 1977-78
4. Member of Search Committee for Assistant Professor of Guidance and Educational Psychology with a specialty in Guidance and Counseling, 1978
5. Coordinator of Statistics and Measurement Specialty in Educational Psychology Department, 1980-93
6. Chair of Search Committee for Assistant or Associate Professor of Guidance and Educational Psychology with a specialty in Statistics and Measurement, February 1980 through May 1981
7. Chair of Screening Committee for the Chairperson of the Department of Guidance and Educational Psychology, June 1982 through July 1982
8. Member of Department of Educational Psychology Salary and Promotion Committee, 1987-88
9. Chair of Search Committee for Assistant Professor of Educational Psychology with a specialty in Statistics and Measurement, 1988, 1994; member, 1995
10. Chair of Outstanding Research Award Committee, Department of Educational Psychology, 1991-93
11. Faculty advisor of Educational Psychology Graduate Organization, 1992-93; Educational Psychology and Special Education Graduate Organization, 1994-97
12. Coordinator of Statistics and Measurement Specialty in Educational Psychology and Special Education Department, January 1993-97

B. College and University Committees and Councils:

1. College of Education Student-Faculty Concerns Committee, Member, 1973-75; Chair, 1974-75
2. Member of Student Affairs Action Task Force, 1974-76
3. Member of Vice President of Academic Affairs' Committee on Evaluation of Instruction, 1975
4. Chair of Dean of Student Services Research Committee, 1975-77
5. Member of Carbondale Committee for Research Involving Human Subjects, September, 1976 through August, 1979
6. Member of Faculty Senate, May, 1979 through May, 1981
7. Member of Faculty Status and Welfare Committee of Faculty Senate, May, 1979 through May, 1981
8. Chair of Ad Hoc Committee of Faculty Senate to study concerns of untenured faculty, November, 1979 through May, 1981
9. Member of Grievance Committee for Vice President of Academic

Affairs, December, 1979 through April, 1980

10. Member of Employee Assistance Program Advisory Committee, January, 1980 through August, 1983
11. Member of Committee on Committees of Faculty Senate, May, 1980 through May, 1981
12. Co-Chair of College of Education Faculty Planning Committee for 1981-82 NCATE Visit, April, 1980 through February, 1982
13. Faculty Advisor of Alpha Upsilon Chapter of Pi Lambda Theta (Honor Society in Education), August, 1981 through June, 1984
14. Vice President of Board of Directors and Member of Executive Committee of Friends of Morris Library, April, 1983 through April, 1985
15. Member of Graduate Council, May, 1983 through May, 1986
16. Chair of Graduate Council Research Committee, May, 1983 through May, 1985
17. Member of University Research Committee, July, 1983 through June, 1985
18. Vice-Chair of Graduate Council, May, 1984 through May, 1985
19. Member of Faculty Senate/Graduate Council Joint Committee on Faculty Salary Increase Policy, December, 1984 through April, 1985
20. Chair of Phi Delta Kappa Program on the "Minimum Competency Dilemma", March 5, 1985
21. Member of Budget Advisory Committee, August 1985 through August, 1986
22. Member of Internal Review Team for the Review of the Department of Psychology, 1985-86
23. Member of Constituency Committee for the Search for a Chancellor, November, 1985 through May, 1986
24. Member of Budget Advisory Committee Tuition and Fees Task Force, January, 1986 through May, 1986
25. Chair of Graduate Council, May, 1985 through May, 1986
26. Member of Internal Review Team for the Review of the Department of Computer Science, 1986-87
27. Member of Grievance Committee for Dean of Graduate School, 1986
28. Member of Internal Review Team for the Review of the Department of Finance and the Business Economics Program, 1987-88 and 1997-98
29. Director of Friends of Morris Library, January, 1981 through present
30. President of Board of Directors and Member of Executive

Committee of Friends of Morris Library, May, 1987 through May, 1989

31. Member of College of Education Promotion and Tenure Committee, 1982, 1984-85, 1986-88, 1991-92
32. Project MAGIC, 1983-88
33. Phi Delta Kappa Initiation Team Member, 1983-present
34. Member of Research Development and Administration Review Committee for Business, Education and Social Sciences, January 1982 through August, 1982; August, 1983, through August, 1986; August, 1986 through August, 1989; August, 1989 through August, 1992; August, 1992 through August, 1995; Guest Reviewer, 1998
35. Member of Undergraduate Education Oversight Committee, April, 1986 through June, 1987
36. Member of Graduate Faculty Membership Committee, 1986
37. Member of North Central Association Accreditation Subcommittee on Mission/Goals and Administration/Governance, July 1987-December 1988
38. Member of Internal Review Team for the Review of the Department of Anthropology, 1988-89
39. Member of Doctoral Program Planning Committee, February 1988-May 1989
40. Member of College of Education Students Committee - Advanced for 1990 NCATE Visit, 1988-90
41. Member of Computing Advisory Committee, July 1989-June 1991
42. Member of Twenty-first Century Task Force, November 1989-December 1991
43. Member of Doctoral Planning and Review Committee, 1990
44. Member of Administrative Internship Program Selection Committee, 1990-91
45. Member of Salary Grievance Committee for President, 1991
46. Member of Promotion Committee for Vice President of Academic Affairs, 1991
47. Member of Phi Delta Kappa, SIU Carbondale Chapter, Research Committee, 1992-93
48. Member of Search Committee for Director of University Press, 1992-93
49. Member of Promotion and Tenure Committee, College of Business and Administration, 1995
50. Member of Search Committee for Director of the University Assessment Program, 1995, 1999-2000
51. Chair of Search Committee for Dean of the College of Education, 1997; member, 1998

52. Member of College of Education Summer School Task Force, 2000
53. Member of Administration Negotiating Team for Faculty Contract, 2000-01; 2002

VIII. PROFESSIONAL SERVICE

A. Membership in Professional Associations:

1. Alpha Lambda Delta
2. American Counseling Association (formerly American Association for Counseling and Development)
3. American Educational Research Association
4. American Psychological Association
  - a. Division 5 - Evaluation and Measurement
  - b. Division 15 - Educational Psychology
  - c. Division 35 - Psychology of Women
5. American Statistical Association
6. Association for Assessment in Counseling (formerly Association for Measurement and Evaluation in Counseling and Development)
7. Cap and Tassel
8. Kappa Delta Pi
9. Mid-Western Educational Research Association
10. National Council on Measurement in Education
11. Phi Delta Kappa
12. Pi Lambda Theta
13. Pi Mu Epsilon

B. Offices Held and Honors Awarded in Professional Associations:

1. President, Kappa Delta Pi, Delta Chi Chapter, 1973-74;  
Past President, 1974-75
2. Liaison to Committee on Women in Psychology, American Psychological Association, Division 5 (Evaluation and Measurement), 1979
3. Recording Secretary, American Association of University Women, Carbondale Branch, 1978-80
4. Member, Association for Measurement and Evaluation in Counseling and Development Committee on Bias in Measurement, August 1982-June 1988
5. Member, National Nominating Committee for Pi Lambda Theta, 1983-84
6. Member at Large and Newsletter Editor, American Educational Research Association SIG/Professors of Educational Research, 1984-88

7. Chair, Association for Measurement and Evaluation in Counseling and Development Committee on Bias in Measurement, April 1986-June 1988; July 1989-June 1991
8. Member, American Association for Counseling and Development Committee on Women, 1988-89
9. Co-chair, Association for Measurement and Evaluation in Counseling and Development Committee on Position Statements and Standards, June 1988-June 1989
10. Treasurer, Association for Measurement and Evaluation in Counseling and Development, July 1988-June 1990
11. Chair, American Educational Research Association SIG/Professors of Educational Research, April 1989-March 1992
12. President-Elect, Association for Measurement and Evaluation in Counseling and Development, July 1990-June 1991
13. Chair, American Association for Counseling and Development Committee on Testing, July 1990-June 1991
14. President, Association for Measurement and Evaluation in Counseling and Development, July 1991-June 1992
15. Past President, Association for Assessment in Counseling (formerly Association for Measurement and Evaluation in Counseling and Development), July 1992-June 1993
16. Chair, Association for Assessment in Counseling Nominations and Elections Committee, July 1992-June 1993; member, July 1993-July 1995
17. Chair, Association for Assessment in Counseling Handbook Committee, July 1992-June 1993; member, July 1993-July 1995
18. Chair, Association for Assessment in Counseling Student Research Award Committee, July 1992-June 1993
19. Member, Association for Assessment in Counseling Test Bias and Test Use Committee, 1992-94
20. Member, Advisory Committee for MASCOT--the NASA Project with the American Counseling Association on Mathematics and Science Careers of Tomorrow, 1991-93
21. Member, American Counseling Association Professional Development Committee, March 1993-June 1994
22. Member, Association for Assessment in Counseling Committee on the Utilization of Assessment Instruments, 1994-95
23. Advisor, Joint Committee on the Standards for Educational and Psychological Testing, 1994-98
24. Member, Association for Assessment in Counseling and American School Counselor Association Task Force on Standards for School Counselor Competence in Assessment, 1994-97; chair, 1997-2000
25. Association for Assessment in Counseling Representative to

American Counseling Association Governing Council, July 1995-June 1998

26. Member, American Counseling Association Policy and Procedures Task Force, 1998-99
27. Member, American Counseling Association Social Issues Task Force, 1998-2000
28. Member, American Counseling Association Bylaws Committee, 1998-2001
29. College Representative, American Association for Colleges of Teacher Education, 1998-present
30. Parliamentarian, American Counseling Association, 1999-2000
31. Chair, American Educational Research Association SIG/Multiple Linear Regression: The General Linear Model, 2000-2001
32. Chair, American Educational Research Association Professional Development and Training Committee, 2001-2003; member, 2000-2001
33. Chair, American Educational Research Association Division D Affirmative Action Committee, 2003-2004
34. Member, American Educational Research Association Affirmative Action Council, 2003-2004

C. Consultantships:

1. Consultant - Development of Scoring Services for the Illinois Tests in the Teaching of English, Southern Illinois University Press
2. Consultant - Safety Education Program, Community Unit School District No. 5, Sterling, Illinois
3. PRAIRIE Consultants
4. Consultant - John A. Logan College on a grant for the Development of a Diagnostic Test for Mentally Retarded Adults
5. Consultant - Herrin Community School District #2 on computerized course scheduling system
6. Consultant - Illinois Office of Education, Statewide Assessment Program for the Affective Domain
7. Validator - Title IV-C, ESEA, United States Office of Education
8. Consultant (Evaluation Team Member) for NSF-CAUSE Project entitled "Improving the Quality of Quantitative Instruction in the Undergraduate Curriculum: A Consortium Proposal," University of North Carolina Consortium
9. Consultant - Technical Assistance Base of the National Diffusion Network, University of Minnesota
10. Consultant - Commission on Rehabilitation Counselor Certification, Chicago, Illinois

11. Consultant - St. Andrew School, Murphysboro, Illinois, on the Effective Use of Standardized Achievement Test Results By Teachers
  12. Consultant - Hamilton County Community Unit District No. 10, McLeansboro, Illinois, on Interpretation and Use of Standardized Achievement Test Results by Administrators and Guidance Counselors
  13. Consultant - ASVAB Training Project for Selection of Master Trainers for ASVAB 18/19 Career Exploration Program
- D. Evaluation of Manuscripts for Journals and Book Publishers and of Grant Proposals for Agencies:
1. Board of Advisory Editors for *Journal of Educational Psychology*, 1978-84; reviewer 1975-77, 1994
  2. Advisory Editor, American Psychological Association Division 5, Division of Evaluation and Measurement, Newsletter *The Score*, 1980-82
  3. Editor of Newsletter for American Educational Research Association SIG/Professors of Educational Research, 1984-88; Co-Editor, 1989-91
  4. Board of Editors, *Applied Measurement in Education*, 1987-present
  5. Editor, *Measurement and Evaluation in Counseling and Development*, 2000-2006; Editor-Elect, 1999; Editorial Board, 1987-99; Executive Editor for Selected Manuscripts 1990, 1994; Test Review Editor, 1988-91
  6. Editorial Board, *National Council on Measurement in Education Quarterly Newsletter*, 1994-1999
  7. Editorial Board, *Educational and Psychological Measurement*, 1998-present; reviewer 1997
  8. Editorial Board, *American Educational Research Journal*, Section on Teaching, Learning, and Human Development, 2004
  9. *The American Statistician*, 1982, 1988
  10. *Educational Researcher*, 1981-82, 1985, 1988-89
  11. *Educational Measurement: Issues and Practice*, 1989, 1992-93, 1995
  12. *Journal of Educational and Behavioral Statistics*, 1994
  13. *Journal of Statistics Education*, 2001-02
  14. *Educational Evaluation and Policy Analysis*, 2003
  15. *Psychological Reports*, 2003
  16. *Journal of Counseling Psychology*, 2004
  17. Review of papers for Annual Student Research Award sponsored by the Southeastern Psychological Association Commission on the Status of Women, 1976-78

18. Reading proposals submitted to Division D of the Mid-Western Educational Research Association for the Annual Meeting, 1986-88, 1992, 1994
19. Reading proposals submitted to Division D of the American Educational Research Association for the Annual Meeting, 1977-81, 1984-86, 1993-95, 1997-99, 2000-01, 2003
20. Review of *Sourcebook of Measures of Educational Equity* for American Institutes for Research in the Behavioral Sciences, 1979
21. Reading proposals submitted to Southeastern Psychological Association for the Annual Meeting, 1980-82, 1987
22. Review of papers for the American Educational Research Association Division D Awards Program, 1980
23. Review of Research Monograph for American Institutes for Research in the Behavioral Sciences, 1980
24. Reading grant proposals submitted to the National Science Foundation, 1982
25. Reading proposals submitted to SIG/Professors of Educational Research of the American Educational Research Association for the Annual Meeting, 1986-87, 1990-92, 1994-96, 2003
26. Reading proposals submitted to National Council for Measurement in Education for the Annual Meeting, 1990-94, 1997-98, 2001
27. Reading proposals submitted to SIG/Multiple Linear Regression of the American Educational Research Association for the Annual Meeting, 1992-94, 2003
28. Reading proposals submitted to SIG/Educational Statisticians of the American Educational Research Association for the Annual Meeting, 1992, 1995, 1997-98, 2001, 2003
29. Review of Case Studies for the Joint Committee on Testing Practices, 1991
30. Reading proposals submitted to SIG/School/University Collaborative Research of the American Educational Research Association for the Annual Meeting, 1993
31. Review of outline and prospectus of *Appraisal in Counseling* for Brooks/Cole Publishing Company, 1996
32. Review of outline and selected chapters of *Measurement and Assessment: Principles and Practices* for Lawrence Erlbaum Associates, Inc., Publishers, 1996

#### IX. COMMUNITY SERVICE

- A. PRAIRIE Consultants
- B. Friends of Morris Library, Membership Chairperson for Murphysboro, Illinois, 1977-78
- C. St. Joseph Memorial Hospital Women's Auxiliary
- D. National Multiple Sclerosis Society Volunteer, 1977-81
- E. Mother's March on Birth Defects Volunteer, 1975
- F. St. Andrew School, Home and School Association, Secretary,

1984-86

- G. St. Andrew School Board, 1986-88; Vice President, 1986-87; President, 1987-88
- H. St. Joseph Memorial Hospital Board of Trustees, 1988-89
- I. Illinois Mathematics and Science Academy Academic Programs Committee, 1993; Parent Panel for V.I.P. Day, January 1993

X. BIOGRAPHICAL LISTINGS

- A. Leaders in Education, 5th Edition
- B. Outstanding Young Women of America, 1974
- C. Who's Who of American Women - 9th, 10th, 11th, 12th, 13th, 19th, 20th, 21st, and 22nd Editions
- D. The World Who's Who of Women - 3rd, 4th, 5th, 6th, 11th, 13th and 15th Editions
- E. Dictionary of International Biography, 1976-77, 1977-78, 1978-79, 1979-80, 1980-81, 23rd, 28th, 29th, and 30th Editions
- F. Who's Who in the Midwest - 16th, 17th, 18th, 19th, 20th, 21st, 22nd, and 23rd Editions
- G. Who's Who in American Education - 1989-90; 3rd, 4th, and 5th Editions
- H. Who's Who Among Human Services Professionals, 3rd Edition
- I. International Directory of Distinguished Leadership, 4th and 5th Editions
- J. Who's Who in the World - 12th Edition
- K. 5000 Personalities of the World - 5th Edition
- L. 2000 Outstanding Scientists of the 20th Century - 1st and 2nd Editions
- M. 2000 Outstanding Women of the 20th Century
- N. 2000 Outstanding Intellectuals of the 20th Century
- O. 2000 Outstanding Intellectuals of the 21st Century, 1st edition
- P. 2000 Outstanding Scholars of the 20th Century
- Q. 2000 Outstanding Scholars of the 21st Century, 1st edition
- R. Outstanding People of the 21st Century, 1st edition
- S. Who's Who in the 21st Century, 1st and 2nd Editions
- T. International Who's Who of Professional & Business Women - 7th and 8th Editions

XI. PROFESSIONAL SEMINARS ATTENDED

- A. Faculty Evaluation and Development in Higher Education Conference sponsored by Kansas State University and the American Association for Higher Education, April 30-May 2, 1974.

- B. National Symposium for Professors of Educational Research on the Evaluation of Teaching, sponsored by Phi Delta Kappa, October 21-23, 1974.
- C. The Mathematics Filter: A New Look at an Old Problem, presented by The Women's Institute, Inc. of Washington, D.C. and Overcoming Math Anxiety, June 21-22, 1979.
- D. Setting Defensible Passing Scores (NCME Training Mini-Course) sponsored by the National Council on Measurement in Education, April 23, 1984.
- E. LISREL Training Session presented by Professor Karl G. Joreskog, Department of Statistics, University of Uppsala, and sponsored by SPSS, Inc. and Scientific Software, Inc., August 27-29, 1986.
- F. Computerized Adaptive Testing (AERA Training Mini-Course) sponsored by the American Educational Research Association, April 23, 1987.
- G. Multivariate Statistics I: MANOVA and Descriptive Discriminant Analysis and Multivariate Statistics II: Predictive Discriminant Analysis and Canonical Analysis (AERA Training Mini-Courses) sponsored by the American Educational Research Association, April 6-7, 1994.
- H. An Introduction to Structural Equation Modeling with LISREL and EQS (AERA Pre-session) sponsored by the American Educational Research Association, March 23-24, 1997.
- I. Cultivating and Soliciting the Major Gift, presented by William T. Sturtevant, Vice President for Trust Relations and Planned Giving at the University of Illinois Foundation, Southern Illinois University Carbondale, February 7, 2003

### XII. AWARDS

- A. National Catholic Elementary School Distinguished Graduate Award, St. Andrew School, Murphysboro, IL, January, 1991
- B. American Counseling Association Research Award presented at the American Counseling Association Annual Meeting, Minneapolis, MN, April, 1994
- C. Kappa Delta Pi, Delta Chi Chapter, Honor an Educator Award, April, 1998
- D. SIU Chapter of Phi Delta Kappa, Women of Distinction Award, October 1999
- E. Educational Council of 100, April 2000
- F. University Faculty Woman of Distinction Award, Southern Illinois University Carbondale, April 2001
- G. Association for Assessment in Counseling 2003 Exemplary Practices Award presented at the American Counseling Association Annual Meeting, Anaheim, CA, March, 2003 for the Competencies in Assessment and Evaluation for School Counselors
- H. Association for Assessment in Counseling President's Special Merit Award presented at the American Counseling Association Annual Meeting, Anaheim, CA, March, 2003 for steadfast creation of, and dedication to, the special issue on high stakes testing for

*Measurement and Evaluation in Counseling and Development*

- I. Association for Assessment in Counseling President's Special Merit Award presented at the American Counseling Association Annual Meeting, Kansas City, MO, April, 2004 as Editor, *Measurement and Evaluation in Counseling and Development*

20 April 2004