

CERTIFICATION:

I have read the following and certify that this curriculum vita is a current and accurate statement of my professional record.

Date:

Signature:

VITA OF GEORGE B. MACREADY

Professor of Education,
Department of Measurement, Statistics, and Evaluation,
College of Education, University of Maryland,
College Park, MD 20742

PERSONAL DATA

Address: 10408 Greenacres Drive, Silver Spring, MD 20903
Telephone: Home (301) 434-4829 Work (301) 405-3625
Place of Birth: Los Angeles, CA

ACADEMIC BACKGROUND

DEGREES

Ph.D. Educational Psychology (Major Emphasis: Measurement Theory)
University of Minnesota, Minneapolis, MN. 1972

M.A. Education (Major Emphasis: Vocational Rehabilitation Counseling),
University of Oregon, Eugene, OR. 1967

B.A. Psychology
Willamette University, Salem, OR. 1965

PROFESSIONAL HONORS

Invited Visiting Scholar, Educational Testing Service, 1994.

Invited Research Scholar, Twente University, The Netherlands, 1987.

International Travel Award Recipient, University of Maryland 1986-87.

Center for Educational Research and Development Research Associate Award, 1981, 1982, and 1985.

Outstanding Contribution Award, from American Personnel and Guidance Association, 1978.

Distinguished Service Award from Maryland Personnel and Guidance Association, 1973 and 1976.

Summer Scholar Fellowship, Educational Testing Service, Princeton, NJ, 1969.

NDEA Fellowship, University of Minnesota, 1967 to 1970.

VRA Stipend Recipient, University of Oregon, 1965 to 1967.

PROFESSIONAL WORK EXPERIENCES

- 1988 - Present Professor, Department of Measurement, Statistics & Evaluation, University of Maryland, College Park, MD
Regular Member of The Graduate Faculty (since 1975) University of Maryland, College Park, MD
- 1994 Visiting Scholar, Educational Testing Service, Princeton NJ
- 1987 Visiting Research Scholar, Twente University, Enschede, The Netherlands
- 1976 - 1988 Associate Professor, Department of Measurement Statistics & Evaluation, University of Maryland
- 1971-1976 Assistant Professor, Department of Measurement, Statistics, and Evaluation, University of Maryland,
Associate Member of The Graduate Faculty (1972 to 1975)
- 1970 - 1971 Director of Evaluation, Training of Teacher Trainers, University of Minnesota, Minneapolis, MN
- 1968 - 1970 Instructor-Research Assistant, Department of Educational Psychology, University of Minnesota

PUBLICATIONS

Chapters in Edited Books:

- Roberts, J.S., Rost, J. & Macready, G.B. MIXUM: An unfolding mixture model to explore the latitude of acceptance concept in attitude measurement,. In S. Embretson (Ed.), *Measuring Psychological Constructs: Advances in Model-Based Approaches*, Washington, D.C.: American Psychological Association, 2010.
- Dayton, C.M. & Macready, G.B. Latent Class Analysis in Psychometrics.
Rao, C.R. & Sinharay, S. (Ed.), *Handbook of Statistics*, vol. 26, 421-446, 2007.
- Dayton, C. M. & Macready, G. B. Use of Categorical and Continuous Covariates in Latent Class Analysis. In *Advances in Latent Class Modeling*, Allan McCutcheon and Jacques Hagenars (Eds.), Cambridge University Press, 2002.
- Macready, G.B. & Dayton, C.M. Latent class models for longitudinal assessment of trait acquisition. In A. von Eye & C. Clogg (Eds.), *The Analysis of Latent Variables in Developmental Research*, Newbury Park, CA: Sage Publications, 1994.
- Dayton, C.M. & Macready, G.B. A latent class covariate model with applications to criterion-referenced testing. In R. Langeheine & J. Rost (Eds.), Latent Trait and Latent Class Models, New York: Plenum Publications Inc, 1988.

Journal Articles (* designates refereed paper; + designates invited paper)

Published Papers

- *Jiao, H., Macready, G., Liu, J., & Cho, Y. (2012). A mixture Rasch model based computerized adaptive test for latent class identification. *Applied Psychological Measurement*.
- *Jiao, H., Macready, G., Zhu, J.J., & An, W. (In progress). *A modified three-parameter item response theory model with an upper asymptote effect*. (To be submitted to Applied Psychological Measurement)
- *Jiao, H., Macready, G., & An, W. (In progress). *The mixture four-parameter item response theory model*. (To be submitted to Psychometrika)
- *Jiao, H., Lissitz, B., Macready, G., Wang, S., & Liang, S. (2011). Exploring using the Mixture Rasch Model for standard setting. *Psychological Testing and Assessment Modeling*.

- *Macready, G. B. & Dayton, C. M. (1992). The application of latent class models in adaptive testing. Psychometrika, 57, 71-88.
- *Davey, B. & Macready, G.B. (1990). An exploration of latent structure underlying multiple-choice reading comprehension items for good and poor readers. Applied Measurement in Education, 3, 209-229.
- *Kelderman, H. & Macready, G.B. (1990). The use of loglinear models for assessing differential item functioning across manifest and latent examinee groups. Journal of Educational Measurement, 27, 307-327.
- *Holt, J.A. & Macready, G.B. (1989) A simulation of the difference chi-square statistic for comparing latent class models under violations of regularity conditions. Applied Psychological Measurement, 13, 221-231.
- *Dayton, C.M. & Macready, G.B. (1988) Concomitant-variable latent class models. Journal of the American Statistical Association, 83, 173-178.
- *Dayton, C.M. & Macready, G.B. (1987) MODMULT & MODBIN: Microcomputer programs for concomitant variable latent class models. American Statistician, 41, 238.
- *Soeken, K.L. & Macready, G.B. (1986) The application of setwise randomized response procedures for surveying multiple sensitive attributes. Psychological Bulletin, 99, 289-295.
- *Alvord, G. & Macready, G.B. (1985) Comparing fit of non-subsuming probability models. Applied Psychological Measurement, 9, 233-240.
- *Davey, B. & Macready, G.B. (1985) Prerequisite relations among inference tasks for good and poor readers. Journal of Educational Psychology, 77, 539-552.
- *Knack, R.E. & Macready, G.B. (1985) LC - PROG: A computer program for optimal item selection in a latent class classification paradigm. Applied Psychological Measurement, 9, 432.
- *Sedlacek, D. & Macready, G.B. (1985) An investigation of hierarchic structure of acquisition for left-right identification tasks. Perceptual and Motor Skills, 61, 1163-1170.
- *Soeken, K.L. & Macready, G.B. (1985) Randomized response parameters as factors in frequency estimates. Educational and Psychological Measurement, 45, 89-100.
- *Garner, R., Macready, G.B. & Wagoner, S. (1984) Readers' acquisition of the components of the text lookback strategy. Journal of Educational Psychology, 76, 300-309.
- *Dayton, C.M. & Macready, G.B. (1983) Latent structure analysis of repeated classifications with dichotomous data. British Journal of Mathematical and Statistical Psychology, 36, 189-201.
- *Davey, B., LaSasso, C. & Macready, G.B. (1983) A comparison of reading comprehension task performance for deaf and hearing subjects. Journal of Speech and Hearing Research, 26, 622-628.
- *Macready, G.B. (1983) The use of generalizability theory for assessing relations among items within domains in diagnostic testing. Applied Psychological Measurement, 7, 149-157.
- *Soeken, K.L. & Macready, G.B. (1982) Respondent perceived protection when using randomized response. Psychological Bulletin, 92, 487-489.
- *Macready, G.B. (1982) The use of latent class models for assessing prerequisite relations and transference among traits. Psychometrika, 47, 477-488. Reprinted in P. Gunther & H.J. Henning (Eds.) Bremer Beitrage Zur Psychologie. ESZTERGOM/Hungary, 1983. Nr. 22.

- +*Macready, G.B. & Dayton, C.M. (1980) The nature and use of state mastery models. Applied Psychological Measurement, 4, 493-516. Paper invited for special issue on Contributions to Criterion-Referenced Testing Technology.
- *Price, L.C., Dayton, C.M. & Macready, G.B. (1980) Probabilistic algorithms for discovering hierarchical relations. Psychometrika, 45, 449-465.
- *Dayton, C.M. & Macready, G.B. (1980) A scaling model with response errors and intrinsically unscalable respondents. Psychometrika, 45, 343-356. Reprinted in P. Gunther & H.J. Henning (Eds.) Bremer Beitrage Zur Psychologie. ESZTERGOM/Hungary, 1983. Nr 22.
- *Macready, G.B. & Dayton, C.M. (1980) A two stage conditional estimation procedure for unrestricted latent class models. Journal of Educational Statistics, 5, 129-156.
- *Dayton, C.M. & Macready, G.B. (1977) MODEL3G and MODEL5: Programs for analysis of dichotomous, hierarchic structures. Applied Psychological Measurement, 1, 412.
- *Macready, G.B. & Dayton, C.M. (1977) Use of probabilistic models in the assessment of mastery. Journal of Educational Statistics, 2, 99-120.
- *Dayton, C.M. & Macready, G.B. (1976) A probabilistic model for validation of behavioral hierarchies. Psychometrika, 41, 189-204. Reprinted in P. Gunther & H.J. Henning (Eds.) Bremer Beitrage Zur Psychologie. ESZTERGOM/Hungary, 1983. Nr 22.
- *Macready, G.B. (1975) The structure of domain hierarchies found within a domain referenced testing system. Educational and Psychological Measurement, 35, 583-598.
- *Schafer, W.D. & Macready, G.B. (1975) A modification of the Bonferroni procedure on contrasts which are grouped into internally independent sets. Biometrics, 31, 227-228.
- *Macready, C. & Macready, G.B. (1974) Conservation of weight in self, others and objects. Journal of Experimental Psychology, 103, 372-374.
- *Macready, G.B. & Merwin, J.C. (1973) Homogeneity within forms in domain referenced testing. Educational and Psychological Measurement, 33, 351-360. Abstracted in C.W. Harris & R.R. Wilcox (Eds.) Achievement Test Items--Methods of Study. CSE monograph series in evaluation, Los Angeles: Center for the Study of Evaluation, 1977.

Computer Programs Developed

- Macready, G.B. and Knack, R.E. Cross Domain Latent Structure Analysis (Provides parameter estimates for latent class conditional acquisition models, based on a two stage estimation algorithm developed by the authors), 1987.
- Dayton, C.M. & Macready, G.B. MODMULT2 & MODMULT3 (Concomitant variable latent class modeling programs which use raw score response records as input), 1987.
- Dayton, C.M. & Macready, G.B. MODMULT & MODBIN (Programs provide parameter estimates for unconstrained and restricted latent class models respectively which incorporate functional covariates), 1986.
- Knack, R.E. & Macready, G.B. LC-PROG (Provides optimal item selection in a latent class classification paradigm. Additionally provides an estimate of the number of items required to attain a desired level of classification accuracy), 1985.
- Dayton, C.M. & Macready, G.B. MODEL3G and MODEL3 (Analyzes a dichotomous, "concept attainment" latent class models with individual item error components: Estimations by iterative maximum likelihood; assesses goodness of fit of model to observed data; Program control manuals describe both programs use), 1978.

Dayton, C.M. & Macready, G.B. MODEL5 (Analyzes linear and non-linear models fitted to dichotomous response data; the model is latent class and the procedures are similar to those for MODEL3G; program control manual describes program use), 1978.

Macready, G.B. ITPRO (Analyses of contingency table data for dichotomous variables through the use of a two state latent structure model; program provides indexes of fit and standard errors for parameter estimates), 1977.

Macready, G.B. FREQ (Assessment of the frequency of occurrence of item response patterns for dichotomous or multichotomously scored items), 1977.

Macready, G.B. MULDE (Analyses of inter-item homogeneity within and across test strata as well as test dimensionality), 1976.

Bulletins and Reports

Kelderman, H. & Macready, G.B. (1988). Loglinear latent class models for detecting item bias, Research Report 88-10, Department of Education, University of Twente, The Netherlands.

Macready, G.B., Epstein, K.I., Steinheiser, G.H. & Mirabella, A. (1977) Methods and models for criterion-referenced testing, technical paper for Army Research Institute for the Behavioral and Social Sciences.

Dayton, C.M. & Macready, G.B. (1977) Computer programs for probabilistic models. Computer program manual, University of Maryland.

Macready, G.B. (1974) Methodological issues in criterion referenced testing; Final report. Army Research Institute report.

Macready, G.B. (1969) Curriculum assignment via CGP scores. Educational Testing Service final report, (report compiled by Susan Ford).

Merwin, J. & Macready, G.B. (1968) Assessing differences between schools through random sampling of items and subjects, Eastern Regional Institute of Education final report.

PROFESSIONAL PRESENTATIONS

International (* designates competitively selected; + designates invited)

* Cho, Y., von Davier, M., Jiao, H. & Macready, G.. (2010). *The effects of ignoring item and person clustering on ability estimation and proficiency classification across years*. Paper presented at the annual conference of the Psychometric Society. Athens, GA.

*Roberts, J.S., Rost, J. & Macready, G.B. An unfolding mixture model to explore the latitude of acceptance concept in attitude measurement. Paper to be presented at the Fifth International Conference on Social Science Methodology, Cologne, Germany 2000.

*Dayton, C.M. & Macready, G.B. Properties of the unstructured two point mixture index of fit for contingency tables. Paper presented at European Meeting of the Psychometric Society, Santiago, Spain 1997.

*Macready, G.B. & Dayton, C.M. Latent class models for longitudinal assessment of trait acquisition. Paper presented at the Conference on Analysis of Latent Variables in Developmental Research, Pennsylvania State University, 1992.

*Knack, R. & Macready, G.B. An exploration of the validity of error estimation methods for latent class models. Paper presented at 22nd EMPG Meeting, Vienna, Austria, 1991.

- *Macready, G.B. The use of latent class models in assessing partial acquisition of cognitive skills. Paper presented at European Meeting of the Psychometric Society, Louven, Belgium, 1989.
- +Macready, G.B. The specification of functional constraints in latent class modeling. Paper presented to the Social Science Section of The Netherlands Statistical Society, Utrecht, The Netherlands, May 19, 1987.
- +Macready, G.B. A robustness study of latent class models related to local independence and model specification assumptions. Paper presented at the Twente University Colloquium Series on Measurement, Enschede, The Netherlands, March 11, 1987.
- +Macready, G.B. A strategy for assessing conditional acquisition hierarchies. Paper presented at the Twente University Colloquium Series on Measurement, Enschede, The Netherlands, January 28, 1987.
- *Dayton, C.M. & Macready, G.B. Applications of latent class models with inequality constraints. Paper presented at European Meeting of the Psychometric Society, Enschede, The Netherlands, 1987.
- *Holt, J.A. & Macready, G.B. A simulation study of the difference chi-square statistic for mixtures of binomial distributions under violations of regularity conditions. Paper presented at European Meeting of the Psychometric Society, Enschede, The Netherlands, 1987.
- *Macready, G.B. & Dayton, C.M. An adaptive testing paradigm based on a latent class modeling framework. Paper presented at European Meeting of the Psychometric Society, Enschede, The Netherlands, 1987.
- *Dayton, C.M. & Macready, G.B. Application of the simplex algorithm to a complex latent class model. Paper presented at Psychometric Society annual meeting, Toronto, 1986.
- *Macready, G.B. & Dayton, C.M. The use of concomitant variables in latent class acquisition modeling. Paper presented at Psychometric Society annual meeting, Toronto, 1986.
- *Dayton, C.M. & Macready, G.B. A binomial-mixture covariate model with applications to criterion-referenced testing. Paper presented at Thirteenth IPN Conference (Institut fur die Padagogik der Naturwissenschaften), Kiel, Federal Republic of Germany, 1985.
- *Macready, G.B. & Davey, H.B. Prerequisite relations among reading comprehension items for good and poor readers. Paper presented at the Thirteenth IPN Conference (Institut fur die Padagogik der Naturwissenschaften), Kiel, Federal Republic of Germany, 1985.
- *Dayton, C.M. & Macready, G.B. Concomitant-variable latent class models. Paper presented at Psychometric Society annual meeting, Iowa City, IW 1980.

National (* designates competitively selected + designates invited)

*Cho, Y., Jiao, H., & Macready, G. ((2012). *Assessing the Effects of Different Item Parameter Profiles in Mixture Rasch Models*. Paper presented at the American Educational Research Association annual meeting, Vancouver, Canada 2012.

*Cho, Y., Jiao, H., & Macready, G. ((2012). Simultaneous Effects of Different Item Discrimination Profiles and Item Difficulty Profiles in Mixture 2PL Models. Paper presented at the American National Council on Measurement in Education, Vancouver, Canada.

*Xie, C., Jiao, H., & Macready, G. ((2012). *Multidimensional Four-Parameter Logistic Item Response Theory Model*. Paper presented at the American National Council on Measurement in Education, Vancouver, Canada.

Jiao, H., Macready, G., Zhu, J., & An, W. (2011). *A modified three-parameter logistic item response theory with varying upper asymptote effects*. Paper presented at the Annual Meeting of the Psychometric Society. Hong Kong, China.

- *Jiao, H., Macready, G., Liu, J., & Cho, Y. (2011). *A mixture Rasch model based computerized classification test*. Paper to be presented at the Annual Meeting of the National Council on Measurement in Education, New Orleans, LA.
- Cho, Y., Weiss, B., Li, M., & Macready, G. (2011). *The EDMS instructional training mentorship program*. Presented at the Innovations in Teaching and Learning Conference. University of Maryland, College Park, MD
- *Jiao, H., Lissitz, R., Macready, G., & Wang, S. (2010). Comparing the use of Mixture Rasch Modeling and judgmental procedures for standard setting. Paper to be presented at the Annual Meeting of the National Council on Measurement in Education, Denver, CO.
- Cho, Y., von Davier, M., Jiao, H., & Macready, G. (2010). *A comparison of classification consistency obtained with unidimensional IRT models and mixture generalized diagnostic models*. Paper presented at the annual conference of the Psychometric Society. Athens, GA.
- *Roberts, J.S., Rost, J. & Macready, G.B. MAXUM: A Mixed Unfolding Model to Explore the Latitude of Acceptance Concept in Attitude Measurement. Paper presented at Psychometric Society annual meeting, Valley Forge, PA 2001.
- *Macready, G.B. Using Structural Design Parameters in Latent Class Models of Change. Paper presented at Psychometric Society annual meeting, Urbana, IL 1998.
- *Macready, G.B. & Dayton, C.M. The use of latent class models in adaptive testing. Paper presented at Psychometric Society annual meeting, Gatlinberg, TN 1997.
- +Macready, G.B. Latent Class Adaptive testing within a Rule Space Framework. Paper presented at Educational Testing Service, Princeton, NJ, 1994.
- *Macready, G.B. & DeAyala, R.J. An adaptive testing strategy for the assessment of mastery. Paper submitted for presentation at National Council on Measurement in Education annual meeting, Atlanta, 1993.
- *Dayton, C.M. & Macready, G.B. Assessing fit of latent class models for large numbers of items. Paper presented at Psychometric Society annual meeting, Princeton, N.J. June 1990.
- *Dayton, C.M. & Macready, G.B. Partial mastery models. Paper presented at National Council on Measurement in Education annual meeting, San Francisco, 1989.
- *Macready, G.B. & Dayton, C.M. The application of latent class models in adaptive testing. Paper presented at American Educational Research Association annual meeting, San Francisco, 1989.
- *Dayton, C.M. & Macready, G.B. Modeling mastery tests with concomitant-variable latent class models. Paper presented at Psychometric Society annual meeting, Los Angeles, 1988.
- *Holt, J.A. & Macready, G.B. Comparison of maximum likelihood and Pearson chi-square statistics for assessing latent class models. Paper presented at American Statistical Association annual meeting, New Orleans, 1988.
- *Kelderman, H. & Macready, G.B. Loglinear latent class models for detecting item bias. Paper presented at American Educational Research Association annual meeting, New Orleans, 1988.
- *Holt, J.A. & Macready, G.B. A Monte Carlo study of the difference chi-square statistic for subsuming models under violation of regularity conditions. Paper presented at American Educational Research Association annual meeting, Washington, D.C., 1987.
- *Knack, R.E. & Macready, G.B. Cross-domain latent structure analysis. Paper presented at American Educational Research Association annual meeting, Washington, D.C., 1987.
- *Davey, H.B. & Macready, G.B. Specification and validation of reading comprehension components for good and poor readers. Paper presented at American Educational Research Association annual meeting, San Francisco, 1986.

- *Macready, G.B. & Dayton, C.M. The use of covariates in latent class mastery modeling. Paper presented at American Educational Research Association annual meeting, San Francisco, 1986.
- *Sedlacek, D.S. & Macready, G.B. An investigation of the impact of criteria for defining model fit on the classification accuracy of all-none acquisition models. Paper presented at American Educational Research Association annual meeting, Chicago, 1985.
- *Davey, H.B. & Macready, G.B. The prerequisite relations between question generation and question response for different types of learners. Paper presented at American Educational Research Association annual meeting, New Orleans, 1984.
- *Sedlacek, D.S. & Macready, G.B. The robustness of latent class classification procedures to violations of the equal error rates and local independence assumptions. Paper presented at American Educational Research Association annual meeting, New Orleans, 1984.
- *Macready, G.B. The use of ordered regression models in the assessment of construct validity. Paper presented at the National Council on Measurement in Education annual meeting, Toronto, 1983.
- *Alvord, W.G. & Macready, G.B. Comparing models from non-subsuming parametric families. Paper presented at American Educational Research Association annual meeting, New York, 1982.
- *Davey, H.B., LaSasso, C. & Macready, G.B. An investigation of the construct validity of selected reading comprehension tasks for deaf students. Paper presented at American Educational Research Association annual meeting, New York, 1982.
- *Macready, G.B. & Sedlacek, D.S. An investigation of hierarchic structure of acquisition for left-right identification task. Paper presented at American Educational Research Association annual meeting, New York, 1982.
- *Soeken, K.L. & Macready, G.B. Application of latent structure analysis to randomized response data. Paper presented at American Educational Research Association annual meeting, New York, 1982.
- *Macready, G.B. The use of latent class models for exploring conditionality among variables. Paper presented at American Educational Research Association annual meeting, Los Angeles, 1981.
- *Macready, G.B. The use of a generalizability study for the assessment of a domain referenced testing system. Paper presented at American Educational Research Association annual meeting, Boston, 1980.
- *Price, L.C., Dayton, C.M. & Macready, G.B. Two computerized discovery algorithms for hierarchic relations based on a probabilistic model. Paper presented at American Statistical Association annual meeting, Houston, 1980.
- *Macready, G.B. & Dayton, C.M. A two-stage conditional estimation procedure for unrestricted latent class models. Paper presented at the annual meeting of the American Educational Research Association annual meeting, San Francisco, 1979.
- *Macready, G.B. & Dayton, C.M. A multi-step conditional estimation procedure for unrestricted latent class models. Paper presented at American Statistical Association annual meeting, San Diego, 1978.
- *Macready, G.B. & Dayton, C.M. Statistical comparisons among hierarchies based on latent structure models. Paper presented at American Educational Research Association annual meeting, New York, 1977.
- *Dayton, C.M. & Macready, G.B. The validity of models based on latent structures. Paper presented at American Statistical Association annual meeting, Chicago, 1977.

+Dayton, C.M. & Macready, G.B. An introduction to probabilistic models for the validation of behavioral hierarchies. Paper presented at the Fourth Delaware Symposium on Curriculum, Learning and Instruction; University of Delaware. (Invited presentation), 1977.

*Schafer, W.D. & Macready, G.B. Extending tables for t for Bonferroni tests on contrasts which are grouped into internally independent sets. Paper presented at the American Educational Research Association annual meeting, Chicago, 1974.

WORKSHOPS

International (* designates competitively selected; + designates invited)

+Macready, G.B. Introduction to latent class models and their applications. (Workshop provided for educational researchers from throughout The Netherlands), Enschede, The Netherlands, June 1987.

RESEARCH PROJECTS

Grants Awarded

Macready, G.B. The use of latent class mastery models in adaptive testing. Research grant funded by Center for Educational Research and Development, University of Maryland, 1988, \$5,000.

Macready, G.B. Support for visiting scholar, awarded by Center for Educational Research and Development, University of Maryland, 1988, \$400.

Macready, G.B. International Research Travel Award, Research grant awarded by the Office of Graduate Studies and Research, University of Maryland, 1988, \$800.

Macready, G.B. & Dayton, C.M. The development of concomitant latent class models. Research grant funded by National Science Foundation, Grant No: SES-8318580, 1984-1986. Total funding: \$115,011.

Macready, G.B. Probabilistic models for assessing hierarchic structure. Research grant funded by Center for Educational Research and Development, University of Maryland, 1986, \$5,000.

Macready, G.B. Small research grant award. Funded by the Division of Human and Community Resources, University of Maryland, 1985, \$1000; 1984, \$750; 1983, \$750 and 1982, \$750.

Macready, G.B. Publication Support Small Grant Award. Funded by the General Research Board, Graduate School, University of Maryland, 1974, \$450.

Research in Progress

Extended latent class models with relaxed local independence assumptions, 1994 to present.

Adaptive testing procedures based on latent class modeling, 1990 to present.

The development of latent structure models which incorporate both continuous and discrete latent variables, 1992 to present.

Alternative procedures for assessing fit of probability models, 1996 to present.

PROFESSIONAL PUBLIC SERVICE

Research Consultancies:

- 1987 Twente University Faculty, The Netherlands
- 1987 University of Amsterdam Faculty, The Netherlands
- 1972,1979 Maryland State Department of Education
- 1978 University College, University of Maryland
- 1975-1976 Educational Turnkey System Inc.
- 1974-1976 Army Research Institute
- 1974 Association of American Medical Colleges

Organizational Memberships

- 1968-present American Educational Research Association
- 1969-present National Council on Measurement in Education
- 1982-present Psychometric Society

Organizational Offices Held

- 1977-1978 Chairman of National Convention Program Evaluation Committee for American Personnel and Guidance Association
- 1975-1976 President of Maryland Association for Measurement and Evaluation
- 1974-1976 Executive council member of Maryland Personnel and Guidance Association
- 1972-1974 Chairman of Research Committee for Maryland Personnel and Guidance Association

Organizational Committee Membership

- 1999-2002 Member, Legislation and Policy Task Force for National Council on Measurement in Education
- 1995-1998 Member, Standing Committee on Special Interest Groups for American Educational Research Association
- 1988-1991 Member, Standing Committee on Freedom of Inquiry and Human Rights for American Educational Research Association
- 1983 Member, Officer Nominating Committee for American Educational Research Association - S.I.G Educational Statisticians.
- 1981-1982 Member, Educational Statisticians Newsletter Committee
- 1975-1976 Member, Publications Committee for Association for Measurement and Evaluation in Guidance.
- 1973-1975 Member, Speakers Bureau Committee for Association for Measurement and Evaluation in Guidance.
- 1972-1974 Member, Membership Committee for Association for Measurement and Evaluation in Guidance.
- 1973 Member, Cassette Review Committee for American Personnel and Guidance Association.

1972 Member, Awards Committee for American Personnel and Guidance Association.

Scholarly Activities

Journal Editorships

1982-1992 Associate Editor for the Journal of Educational Statistics

1983-1986 Consulting Editor for the Journal of Experimental Education

Journal Manuscript Reviewer

Journal for the American Statistical Association

Applied Psychological Measurement

British Journal of Mathematical and Statistical Psychology

Developmental Review

Educational and Psychological Measurement

Journal of Educational Measurement

Psychometrika

Psychological Bulletin

Grant Proposal Reviewer

1998,1988,1986 National Science Foundation

UNIVERSITY SERVICE

University

1998-2000 Member, University Senate Nominations Committee

1996-1998 Member, University Senate

1990-1993

1992 Chair, University Senate Adjunct Committee on Academic Procedures and Standards

1992 Member, University Senate Educational Affairs Committee

1989-1990 Member, Five Year Program Review Committee for the Department of Human Development

1984-1985 Chair, Five Year Program Review Committee for the Department of Physical Education

1976-1978 Member, Graduate School Committee on Research

1974-1976 Member, Division Council

College

2000-2002 Co-Chair, College of Education Community and Recognition Committee

2001-2002 Member, Ad Hoc Committee on Awards and Recognition

1999-2000 Chair, College Promotion and Tenure Committee

1999-2000 Member, College Planning Committee

1999-2000 Member, College Strategic Planning Committee

1998 Chair, CERD Development Committee

1998 Member, College Technology Committee

1998 Member, College Promotion and Tenure Committee

1990-1992

1976-1977

1995-1998 Member, College of Education Faculty Senate

1992-1993

1988-1990

1996-1997 Member, College Distinguished Teacher Award Committee

1994-1995 Member, College Minority Recruitment Committee

1992-1993 Member, College Teacher Preparation Committee

1991-1992 Member, College Undergraduate Committee

1989-1990 Member, College Graduate Committee

1988-1989 Member, Center for Educational Research and Development, Advisory Committee

1988-1989 Member, Steering Committee for College Faculty Senate

1985-1986 Chair, Planning Advisory Council

1985-1986 Member, College Academic Plan Steering Committee

1984-1986 Member, Steering Committee for Planning and Advisory Council

1981-1982

1981-1982 Secretary, Planning and Advisory Council

1984-1986 Member, Planning and Advisory Council

1980-1982

1976-1978

1980-1982 Member, Bureau of Educational Research and Field

- 1976-1978 Services, Faculty Development Support Committee
- 1974-1976 Member, Professional Development and Welfare Committee
- 1971-1974 Member, Educational Technology Center Advisory Committee

Department

- 2002 Member, Department Internal Review Committee
- 2001-2002 Chair, Department Two Year Review Committee
- 2001-2002 Member, Faculty Search Committee
- 1999-2000 Chair, Examinations Committee
- 1991-1992
- 1983-1984
- 1977-1978
- 1997-1998 Member, Examinations Committee
- 1988-1991
- 1982-1983
- 1976-1977
- 1997 Chair, Promotion and Tenure Committee
- 1997 Chair, Faculty Three Year Review Committee
- 1994-1995 Chair, Faculty Search Committee
- 1991-1994 Member, Liaison Committee
- 1989-1990 Chair, Liaison Committee
- 1988-1989 Member, Faculty Three Year Review Committee
- 1988-1989 Member, Teaching Evaluation Committee
- 1992-1993 Member, Student Affairs Committee
- 1984-1986
- 1978-1980
- 1996-1997 Chair, Student Affairs Committee
- 1987-1988
- 1980-1981
- 1979-1980 Chair, Course Review Committee