

DOCUMENT RESUME

ED 115 699

TM 004 974

AUTHOR Ellsworth, Randolph A.; Franz, Carleen  
TITLE Bibliography on Criterion Referenced Measurement.  
PUB DATE Oct 75  
NOTE 24p.

EDRS PRICE MF-\$0.76 HC-\$1.58 Plus Postage  
DESCRIPTORS \*Bibliographies; \*Criterion Referenced Tests

ABSTRACT

This bibliography contains 262 references on Criterion Referenced Measurement (CRM) that were obtained from the following sources: (1) the author's personal files; (2) a bibliography compiled by Hsu and Boston (ERIC Document #ED 068 531) containing 52 references; (3) a bibliography compiled by Keller (ERIC Document #ED 060 041) containing 116 references; and (4) a search of Education Index from July 1971 to September 1975. No attempt has been made to abstract the references reported and they are grouped only by author name. APA bibliography style has been followed as much as possible with some exception occurring when complete reference information on a source was not available. The hope is that this bibliography will serve as an initial reference source for persons involved in or beginning work on CRM. (Author/BJG)

\*\*\*\*\*  
\* Documents acquired by ERIC include many informal unpublished \*  
\* materials not available from other sources. ERIC makes every effort \*  
\* to obtain the best copy available. Nevertheless, items of marginal \*  
\* reproducibility are often encountered and this affects the quality \*  
\* of the microfiche and hardcopy reproductions ERIC makes available \*  
\* via the ERIC Document Reproduction Service (EDRS). EDRS is not \*  
\* responsible for the quality of the original document. Reproductions \*  
\* supplied by EDRS are the best that can be made from the original. \*  
\*\*\*\*\*

ED115699

Bibliography on Criterion Referenced Measurement

Randolph A. Ellsworth & Carleen Franz

Wichita State University

October, 1975

U.S. DEPARTMENT OF HEALTH,  
EDUCATION & WELFARE  
NATIONAL INSTITUTE OF  
EDUCATION

THIS DOCUMENT HAS BEEN REPRO-  
DUCEO EXACTLY AS RECEIVED FROM  
THE PERSON OR ORGANIZATION ORIGIN-  
ATING IT. POINTS OF VIEW OR OPINIONS  
STATED DO NOT NECESSARILY REPRESENT  
OFFICIAL NATIONAL INSTITUTE OF  
EDUCATION POSITION OR POLICY

1004 974

## Introduction

Criterion-referenced measurement (CRM) is a phrase that has appeared over and over in the titles of such things as journal articles, books, symposium papers, and unpublished papers. So often, in fact, that the compilation of the present bibliography took us way beyond our expectations in terms of number of references available on CRM and left us feeling that many more references are probably still available.

The present bibliography contains 262 references on CRM that were obtained from the following sources:

- 1) The author's personal files,
- 2) A bibliography compiled by Hsu and Boston (ERIC Document # ED 068 531) containing 52 references,
- 3) A bibliography compiled by Keller (ERIC Document # O60 041) containing 116 references, and
- 4) A search of Education Index from July 1971 to September 1975.

This bibliography did not include a search for references in RIE or CIJE since the CRM articles in those sources are available (with abstracts) by computer search procedures.

No attempt has been made to abstract the references reported and they are grouped only by author name. APA bibliography style has been followed as much as possible with some exceptions occurring when complete reference information on a source was not available. Our hope is that this bibliography will serve as an initial reference source for persons involved in or beginning work on CRM.

---

Randolph A. Ellsworth  
Carleen Franz  
Wichita State University

- Airsian, P. The role of evaluation in mastery learning. In J. Block (Ed.), Mastery Learning: Theory and Practice. New York: Holt, Rinehart, & Winston, 1971, 81-93.
- Airasian, P., and Maduas, G. Criterion-reference testing in the classroom. NCME Measurement in Education, 1971, 3, 1-9.
- Alvord, D.J., & Brittingham, B.E. Evaluating performance on National assessment objectives: Norm-referenced and criterion-referenced interpretations. Journal of Educational Research, 1974, 68, 59-61.
- Ammerman, H., & Melching, W. The derivation, analysis, and classification of instructional objectives (HumRO Tech. Rep. 66-X). Fort Bliss, Texas: Human Resources Research Organization, Task INGO.
- Anastasio, E.J., & Others. Computer-assisted item writing-II (Sentence Completion Items). Princeton, N.J.: Educational Testing Service, 1969, TDM-69-1.
- Angoff, W.H. Scales with nonmeaningful origins and units of measurements. Educational and Psychological Measurement, 1962, 22, 27-34.
- A Position Paper on Standardized Testing. Kansas State Department of Education, 1972.
- Astin, A. Criterion-centered research. Educational and Psychological Measurement, 1964, 24, 807-821.
- Baker, E.L. Cooperation and the state of the world in criterion-referenced tests. Educational Horizons, 1974, 52, 193-196.
- Baker, R. Measurement considerations in instructional product development. Southwest Regional Laboratory for Educational Research and Development, Los Alamitos, California.
- Besel, R. A mastery-learning model. Paper presented at the annual meeting of the American Educational Research Association, Chicago, 1972.
- Berger, R.J. Criterion-referenced testing with the SWRL communications program. Inglewood, Calif.: Southwest Regional Laboratory, 1969, SWRL Memorandum.
- Biggs, L. Learning and evaluation: Two sides of the same coin. Elements: Translating Theory into Practice (University of Alberta. Department of Elementary Education), Edmonton, 1972, 4, 4-8.

Blanchford, J.S. Teacher views criterion-referenced tests. Today's Education, 1975, 64, 36.

Block, J. Criterion-referenced measurements: Potential. School Review, 1971, 79, 289-298.

Block, J. Mastery Learning: Theory and Practice. New York: Holt, Rinehart, & Winston, 1971.

Block, J. Student Evaluation: Towards the Setting of Mastery Performance Standards. Paper presented at the 1972 Annual Meeting of the American Educational Research Association, Chicago, Ill., 1972.

Bloom, B.S. Learning for mastery. In B.S. Bloom, J.T. Hastings, and G.F. Madaus (Eds.), Handbook on Formative and Summative Evaluation of Student Learning. New York: McGraw-Hill, 1971.

Bloom, B., Hastings, J., and Madaus, G. Handbook of Formative and Summative Evaluation of Student Learning. New York: McGraw-Hill, 1971.

Blue, R. Accountability to children. Elementary English, 1975, 52 51-52.

Blumenfeld, G., Bostow, D., and Waugh, R. Effect of Criterion referenced testing upon the use of remedial exam opportunities. Paper presented at annual meeting of the American Educational Research Association, New York, 1971.

Boehm, A.E. Criterion-referenced assessment for the teacher. Teachers College Record, 1973, 75, 117-126.

Bolvin, J., and Glaser, G. Developmental aspects of individually prescribed instruction. Audiovisual Instruction, 1968, 828-831.

Bormuth, J.R. Development of standards of readability: Toward a rational criterion of passage performance. Project No. 9-0237, Final Report, Office of Education, U.S. Department of Health, Education, and Welfare, 1971.

Bormuth, J.R. Reading literacy: Its definition and assessment. Reading Research Quarterly, 1973-74, 1, 7-66.

Boulmetis, J. Cognitive evaluation in ABE. Adult Leadership, 1973, 22, 108-109.

Brazziel, W.F. Criterion-referenced tests: Some trends and prospects. Today's Education, 1972, 61, 52-53.

- Brennan, R., and Stolurow, L. An empirical decision process for formative evaluation. Research Memorandum No. 4, Harvard CAI Laboratory, Cambridge, Massachusetts, April, 1971.
- Brogden, H.E., & Taylor, E.K. The theory and classification of criterion bias. Educational and Psychological Measurement, 1950, 10, 159-186.
- Bunyard, J. The establishment of the validities of a linear science program and a criterion test. Programmed Learning and Educational Technology, 1971, 8, 116-121.
- Burke, J.D., & Others. The criterion-related validity of English language screening instruments for foreign students entering the University of Southern California. Educational and Psychological Measurement, 1969, 29, 503-506.
- Burns, R.W. Achievement testing in competency-based education. Educational Technology, 1972, 12, 39-42.
- Burrill, L. How a standardized achievement test is built. Test Service Notebook #125, New York: Harcourt Brace Jovanovich, Inc.
- Carpenter, P. A decision process for developing strategies of instruction. Contract No. F44620-67-C-0045, R-1019-PR (Abridged), The Rand Corporation, 1972.
- Cartier, F. Criterion-referenced testing of language skills. TESOL Quarterly, 1968, 2, 27-32.
- Cleary, T.A. Strategies for criterion-referenced test construction using classical procedures. Paper presented at the annual meeting of the American Educational Research Association, New York, 1971.
- Cleary, T.A., & Others. An exploratory study of programmed tests. Educational and Psychological Measurement, 1968, 28, 345-360.
- Cooper, D. Occupational testing: Advances in Ontario. Educational Technology, 1974, 14, 24-26.
- Cornejo, R.J. Criterion-referenced assessment system for bilingual reading: SOBER-Español. California Journal of Educational Research, 1974, 25, 294-301.
- Cotton, T.S. An empirical test of the bimodal error model applied to criterion-referenced tests. Unpublished doctoral dissertation, University of Pittsburgh, 1971.

- Coulson, J., and Cogswell, J. Effects of individualized instruction on testing. Paper presented at the annual meeting of the National Council on Measurement in Education, Chicago, 1965.
- Cox, R. Item selection techniques and evaluation of instructional objectives. Paper presented at the annual meeting of the National Council on Measurement in Education, Chicago, 1965.
- Cox, R. Evaluative aspects of criterion-referenced measures. In E. Glaser (Chair), Criterion-Referenced Measurement: Emerging Issues. Symposium presented at the meeting of the American Educational Research Association, Minneapolis, 1970.
- Cox R., and Graham, G. The development of a sequentially scaled achievement test. Journal of Educational Measurement, 1966, 3, 147-150.
- Cox, R., and Sterrett, B. A model for increasing the meaning of standardized test scores. Journal of Educational Measurement, 1970, 7, 227-228.
- Cox, R., and Vargas, J. A comparison of item selection techniques for norm-referenced and criterion-referenced tests. Paper presented at the annual meeting of the National Council on Measurement in Education, Chicago, 1966.
- Crawford, W.R. Assessing performance when the stakes are high. Paper presented at the annual meeting of the American Educational Research Association, Minneapolis, 1970.
- Cronbach, L.J. Evaluation for course improvement. Teachers College Record, 1963, 64, 672-683.
- Dahl, T. Toward an evaluative methodology for criterion-referenced measures: Objective-item congruence. Paper presented at the annual meeting of the American Educational Research Association, San Diego, 1971.
- Davis, F.B. Criterion-referenced tests. In the Proceedings of the Thirty-Fifth Annual Conference of Educational Records Bureau. Greenwich, Connecticut: Educational Records Bureau, 1970.
- Davis, F.B. 1972 AERA Conference summaries: Criterion referenced measures.
- Deterline, W. Testing! Testing! Testing! NSPI Journal, 1971, 10, 8-11.
- Diamond, J. On growth measurement: A reminder. Educational and Psychological Measurement, 1973, 33, 587-589.

- Drew, C.J. Criterion-referenced and norm-referenced assessment of minority group children. Journal of School Psychology, 1973, 11, 323-329.
- Dziuban, C.D., & Vickery, K.V. Criterion-referenced measurement: Some recent developments. Educational Leadership, 1973, 30, 483-486.
- Ebel, R. Must all tests be valid? American Psychologist, 1961, 16, 640-647.
- Ebel, R.L. Content-standard test scores. Educational and Psychological Measurement, 1962, 22, 15-25.
- Ebel, R.L. Some measurement problems in a national assessment of educational progress. Journal of Educational Measurement, 1966, 3, 11-17.
- Ebel, R.L. The value of internal consistency in classroom examinations. Journal of Educational Measurement. 1968, 5, 71-73.
- Ebel, R.L. Some limitations of criterion-referenced measurement. Symposium paper presented at annual meeting of the American Educational Research Association, Minneapolis, 1970.
- Ebel, R.L. Criterion-referenced measurements. Limitations. School Review, 1971, 79, 282-288.
- Ebel, R.L. Some problems in assessing educational performance. Paper presented at the National Conference on Performance Contracting, Washington, D.C., 1971.
- Ebel, R.L. Evaluation and educational objectives. Journal of Educational Measurement, 1973, 10, 273-379.
- Edmonston, L.P. A review of attempts to arrive at more suitable evaluation models: An introspective look. Paper presented at the annual meeting of the American Educational Research Association, Chicago, 1972.
- Edmonston, L.P., and Randall, R. A model for estimating the reliability and validity of criterion-referenced measures. Paper presented at annual meeting of the American Educational Research Association, Chicago, 1972.
- Elley, W. The development of a set of content-referenced tests of reading. Unpublished manuscript, New Zealand Council for Educational Research, 1970.
- Elsner, P.J. Criterion-referenced assessment and its classroom use as viewed by teachers. School Science and Mathematics, 1973, 73, 730-734.



- Emrick, J. An evaluation model for mastery testing. Journal of Educational Measurement, 1971, 8, 321-326.
- Esler, W.K., & Dziuban, C.D. Criterion-referenced test: Some advantages and disadvantages for science instruction. Science Education, 1974, 58, 171-174.
- Evans, D.N. Standards are needed for CRT's! Educational Leadership, 1975, 32, 268-270.
- Farr, R., & Roser, N.L. Reading assessment: A look at problems and issues. Journal of Reading, 1974, 17, 592-699.
- Ferguson, R.L. A model for computer-assisted criterion-referenced measurement. Paper presented at the joint annual meetings of the American Educational Research Association and the National Council on Measurement in Education, Minneapolis, 1970.
- Ferguson, R.L. The development, implementation, and evaluation of a computer-assisted branched test for a program of individually prescribed instruction. (Doctoral dissertation, University of Pittsburgh, 1970), (University Microfilms No. 70-4530)
- Ferguson, R.L. Computer assistance for individualizing measurement. University of Pittsburg: Learning and Development Center, March, 1971.
- Ferguson, R.L., & Hsu, T.C. The application of item generators for individualizing mathematics testing and instruction. Pittsburgh, Pa.: Learning Research and Development Center, University of Pittsburgh, 1971.
- Fichenau, R.L., & Watson, R.P. Monitoring student achievement. Theory into Practice, 1973, 12, 254-258.
- Fischbach, T. Study of relationships of reading mastery level to general reading achievement to validate diagnostic reading tests. Paper presented at annual meeting of the American Educational Research Association, New York, 1971.
- Flanagan, J.C. Units and norms in educational measurement. Invitational Conference on Testing Problems, New York, 1946.
- Flanagan, J.C. Units, scores, and norms. In E.F. Lindquist (Ed), Educational Measurement. Washington, D.C.: American Council on Education, 1951.

- Flanagan, J.C. Discussion on symposium, "Standard scores for aptitude and achievement tests." Educational and Psychological Measurement, 1962, 22, 35-39.
- Flanagan, J.C. Functional education for the seventies. Phi Delta Kappan, 1967, 27-32.
- Flanagan, J.C. The plan system for individualizing education. NCME Measurement in Education, 1971, 2.
- Forbes, D.W. The implications of computer-based test development for a total testing program. Portland, Oregon: Portland Public Schools.
- Forbes, D.W. Implications of computer-based test development for a total testing program. Paper presented at the meeting of the National Council on Measurement in Education, Minneapolis, 1970.
- Ford, J.D., & Meyer, J.K. A test of Gagné's hypothesis of hierarchical subtasks for developing learning programs and an alternate proposal. Paper presented at the meeting of the Western Psychological Association, Long Beach, Calif., 1966.
- French, J. A technique for criterion-keying and selecting test items. Psychometrika, 1972, 17, 101-106.
- Gagné, R.M. (Ed.) Psychological Principles in System Development. New York: Holt, Rinehart, and Winston, 1962.
- Gagné, R.M. The implications of instructional objectives for learning. In Report of Regional Commission on Education Coordination and Learning Research. Pittsburgh: University of Pittsburgh Press, 1964.
- Gagné, R.M. Some notes on criterion-referenced measurement. Florida State University, 1969.
- Gardner, E.F. Normative standard scores. Educational and Psychological Measurement, 1962, 22, 7-14.
- Garvin, A. The applicability of criterion-referenced measurement by content area and level. In R. Glaser (Chair), Criterion-Referenced Measurement: Emerging Issues. Symposium presented at the joint annual meetings of the American Educational Research Association and the National Council on Measurement in Education, Minneapolis, 1970.
- Gaylord, R., & Stunkel, E.R. Validity and the criterion. Educational and Psychological Measurement, 1954, 14, 294-300.

- Glaser, R. Instructional technology and the measurement of learning outcomes: Some questions. American Psychologist, 1963, 18, 519-521.
- Glaser, R. The program for individually prescribed instruction, Working Paper 2. Pittsburgh, Pa.: Learning Research and Development Center, University of Pittsburgh, 1966.
- Glaser, R. Adapting the elementary school curriculum to individual performance. From Proceedings of the 1967 Invitational Conference on Testing Problems. Princeton, N.J.: Educational Testing Service, 1967.
- Glaser, R. Psychological questions in the development of computer-assisted instruction. In W. Holtzman (Ed.) Computer-assisted Instruction, Testing, and Guidance. New York: Harper and Row, 1970.
- Glaser, R. A criterion-referenced test. In Popham, J. (Ed.), Criterion-Referenced Measurement. Englewood Cliffs, N.J.: Educational Technology Publications, 1971, 41-51.
- Glaser, R. and Cox, R. Criterion-referenced testing for the measurement of educational outcomes. Originally appeared in American Psychologist. American Psychological Association, 1963.
- Glaser, R., and Klaus, D. Proficiency measurement: Assessing human performance. In R. Gagne (Ed.), Psychological Principles in System Development. New York: Holt, Rinehart, and Winston, 1962.
- Gorth, W.P., & Hambleton, R.K. Measurement considerations for criterion-referenced testing and special education. Journal of Special Education, 1972, 6, 303-314.
- Gotts, E.E. Use of developmental testing in early childhood programs. Viewpoints, 1975, 51, 75-82.
- Gray, W. Development of a Piagetian-based written test: A criterion-referenced approach. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, 1973.
- Greco, T.H. Is there really a difference between criterion-referenced and norm-referenced measurements? Educational Technology, 1974, 14, 22-25.
- Green, B.F., Jr. Comments on tailored testing. Paper presented at the Conference on Computer-Based Instruction, Learning, Testing, and Guidance, Austin, Texas, 1969.

- Guzaitis, J. Criterion-referenced measurement: The school setting. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, 1973.
- Haladyma, T.M. Effects of different samples on item and test characteristics of criterion-referenced tests. Journal of Educational Measurement, 1974, 11, 93-99.
- Hambleton, R.K. A review of testing and decision-making procedures for selected individualized instructional programs. Act Technical Bulletin No. 15, The American College Testing Program, Iowa City, Iowa, 1973.
- Hambleton, R.K. Testing and decision-making procedures for selected individualized instructional programs. Review of Educational Research, 1974, 44, 371-400.
- Hambleton, R.K., and Gorth, W. Criterion-referenced testing: Issues and applications. Technical Report No. 13, Center for Educational Research.
- Hambleton, R.K., & Novick, M.R. Toward an integration of theory and method for criterion-referenced tests. Journal of Educational Measurement, 1973, 10, 159-170.
- Hammock, J. Criterion measures: Instruction vs. selection research. American Psychologist, 1960, 15, 435.
- Hanson, D.N., & Schwarz, G. An investigation of computer-based science testing. Report submitted to the College Entrance Examination Board, Tallahassee, Fla.: The Florida State University, 1968.
- Harris, C.W. Comments on problems of objectives based measurement. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, 1973.
- Harris, M., and Stewart, D. Application of classical strategies to criterion-referenced test construction: An example. Paper presented at annual meeting of the American Educational Research Association, New York, 1971.
- Hawes, G.R. Criterion-referenced testing: No more losers, no more norms, no more parents raising storms. Nation's Schools, 1973, 91, 15-41.
- Healy, J.P., and Castine, W.H. Criterion-referenced testing as part of Florida's educational assessment program. Paper presented at the annual meeting of the National Council on Measurement in Education, New Orleans, 1973.

- Heisey, D.J. A primer on assessment. Paper presented at the 50th annual meeting of the National Council of Teachers of Mathematics, Chicago, 1972.
- Helmstadter, G.C. Comparison of traditional item analysis selection procedures with those recommended for tests designed to measure achievement following performance-oriented instruction. Paper presented at the annual meeting of the American Psychological Association, Honolulu, 1972.
- Hills, J.R. Experience in small graduate classes and approaches to evaluating criterion-referenced measures. Paper presented at the annual meeting of the American Educational Research Association, Minneapolis, 1970.
- Hively, W. Introduction to domain referenced achievement testing. Symposium presented at the meeting of the American Educational Research Association, Minneapolis, 1970.
- Hively, W. (Ed.) Domain-referenced testing: Symposium. Educational Technology, 1974, 15, 5-64.
- Hively, W., II, & Others. A "universe defined" system of arithmetic achievement tests. Journal of Educational Measurement, 1968, 5, 275-290.
- Hively, W., Maxwell, G., Rabehl, G., Sension, D., & Lundin, S. Domain referenced curriculum evaluation: A technical handbook and a case study from the MINNEMAST project. CSE Monograph Series in Evaluation, Vol. 1. Center for the Study of Evaluation, University of California, Los Angeles, 1973.
- Hoetker, J. The limitation and advantages of behavioral objectives in the Arts and Humanities: A guest editorial. Foreign Language Annals, 1970, 3, 560-656.
- Horn, J.L. Some characteristics of classroom examinations. Journal of Educational Measurement, 1966, 3, 293-295.
- Horn, J.L. Is it reasonable for assessments to have different psychometric properties than predictors. Journal of Educational Measurement, 1968, 5, 75-77.
- Hsu, T. Empirical data on criterion-referenced tests. Paper presented at annual meeting of the American Educational Research Association, New York, 1971.
- Hsu, T., and Boston, E.M. Criterion-referenced measurement: An annotated bibliography. University of Pittsburgh, Learning, Research and Development Center, 1972.

Hsu, T., and Sebantane, E.M. An empirical study of procedures for evaluating the quality of tests which are generated and administered by a digital computer. Paper presented at the joint annual meetings of the American Educational Research Association and the National Council of Measurement in Education, New Orleans, 1973.

Inn, A., and Hulin, C.L. Three sources of criterion variance: Static dimensionality, dynamic dimensionality, and individual dimensionality. Organizational Behavior and Human Performance, 1972, 8, 58-83.

Innes, T.C. Measurement, accountability, and humaneness. Measurement and Evaluation in Guidance, 1971, 4, 90-98.

Innes, T.C. The prediction of achievement means of schools from non-school factors through criterion scaling. Paper presented at the American Educational Research Association Convention, New Orleans, 1973.

Ivens, S.H. A pragmatic approach to criterion-referenced measures. A symposium presented at the joint annual meetings of the American Educational Research Association and the National Council of Measurement in Education, Chicago, 1972.

Jackson, R. The development of a collection of adult tasks for assessment of literacy. Paper presented at annual meeting of the American Educational Research Association, Chicago, 1972.

Jensen, O. Some notes on minimum competency testing. Educational Testing Service. Unpublished Manuscript, 1972.

Jetor, C.C. Testing management performance objectives: A sample criterion test. Educational Technology, 1974, 14, 31-33.

Johnson, M.S., and Kress, R.A. Task analysis for criterion-referenced tests. The Reading Teacher, 1971, 24, 355-359.

Jones, R.L. Accountability in special education. Exceptional Children, 1973, 39, 631-42.

Kania, H.F. Quantification of item precision in criterion-referenced testing. Unpublished doctoral dissertation, University of Arizona, 1972.

Kennedy, B.T. The role of criterion-referenced measures within the total evaluative process. Unpublished manuscript, Southwest Educational Development Laboratory.

- Knipe, W.H. and Krahmer, E.F. An application of criterion-referenced testing. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, 1973.
- Koos, E.M., and Chan, J.Y. Criterion-referenced tests in biology. Paper presented at the annual meeting of the American Educational Research Association, Chicago, 1972.
- Kriswall, T.E. Applications of information theory and acceptance sampling principles to the management of mathematics instruction. Technical Report No. 103. Madison, Wisconsin: Wisconsin Research and Development Center for Cognitive Learning, The University of Wisconsin, 1969.
- Kriswall, T.E. Aspects and applications of criterion-referenced tests. Paper presented at the annual meeting of the American Educational Research Association, Chicago, 1972.
- Kriswall, T.E., and Hirsch, E. The development and interpretation of criterion-referenced tests. Paper presented at the annual meeting of the American Educational Research Association, Los Angeles, 1969.
- Lagowski, J. Computer-assisted instruction in chemistry. In W. Holtzman (Ed.), Computer-assisted Instruction, Testing, and Guidance. New York: Harper and Row, 1970.
- Lewis, V.E. Development and implementation of a total curriculum based on criterion-referenced goals. The Journal of Special Educators of the Mentally Retarded, 1975, 11, 183-186.
- Lindvall, C.M., & Cox, R.C. The role of the evaluation in programs for individualized instruction. In Educational Evaluation: New Rules, New Means. (National Society for the Study of Education: 68th Yearbook Part II.) Chicago, Ill.: University of Chicago Press, 1969.
- Linn, R.L. Computer-assisted testing. In M.A. Duggan and Others (Ed.), The Computer Utility: Implications for Higher Education. Boston, Mass.: Heath Lexington, 1970.
- Livingston, S.A. The reliability of criterion-referenced measures. Paper presented at the annual meeting of the American Educational Research Association, New York, 1971.
- Livingston, S.A. A classical test theory approach to criterion-referenced tests. Paper presented at the annual meeting of the American Educational Research Association, Chicago, 1972.

- Livingston, S.A. Criterion-referenced applications of classical test theory; with reply by C.W. Harris and rejoinder. Journal of Educational Measurement, 1972, 9, 13-31.
- Livingston, S.A. Reply to Shavelson, Block, and Ravitch's criterion-referenced testing: Comments on reliability. Journal of Educational Measurement, 1972, 9, 139-140.
- Livingston, S.A. Note on the interpretation of the criterion-referenced reliability coefficient. Journal of Educational Measurement, 1973, 20, 311.
- Loretan, J.O. Alternatives to intelligence testing. In Proceedings of the 1965 Invitational Conference on Testing Problems. Princeton, N.J.: Educational Testing Service, 1966.
- Luebke, N.H. A practical method of determining a criterion score for criterion-referenced measurement. Paper presented at the annual meeting of the American Educational Research Association, Chicago, 1972.
- Macready, G.B., & Mervin, J.C. Homogeneity within item forms in domain referenced testing. Educational and Psychological Measurement, 1973, 33, 351-360.
- Majer, D.E. Criterion-referenced measures in education-an appealing delusion. Paper presented at the annual meeting of the American Educational Research Association, Minneapolis, 1970.
- Marshall, L.J. Reliability indices for criterion-referenced tests: A study based on simulated data. Paper presented at annual meeting of the American Educational Research Association, New Orleans, 1973.
- Mattson, D.E. Comparitive performance: The basis of criterion related measures. Paper presented at the meeting of the American Educational Research Association, Minneapolis, 1970.
- Mattson, D.E. Criterion-related measures in education. Journal of Medical Education, 1971, 46.
- Mayo, S. Mastery learning and mastery testing. NCME Measurement in Education, 1970, 1.
- McClelland, D.C. Testing for competence rather than for "intelligence." American Psychologist, 1973, 1-14.
- McDonald, T.F., & Moorman, G.B. Criterion-referenced testing for functional literacy: Phoenix Union high school system, Arizona. Journal of Reading, 1974, 17, 363-366.



- McGarvey, J. Standardized tests: five steps to change. Learning, 1974, 24-26.
- McRae, D.J. MIKCA: A FORTRAN IV iterative K-means cluster analysis program. Monterey, California: CTB/McGraw-Hill, 1970.
- McRae, D.J. Multivariate cluster analysis. Paper presented at the annual meeting of the American Educational Research Association, New York, 1971.
- Mehrens, W., and Lehmann, I. Measurement and Evaluation in Education and Psychology. New York: Holt, Rinehart, & Winston, 1973.
- Merrill, M.D. Correction and review on successive parts in learning a hierarchical task. Journal of Educational Psychology, 58, 225-234.
- Mhlaba, S.L. Comparing criterion-referenced testing with norm-referenced testing. College Student.
- Miller, R.B. Analysis and specifications of behavior for training. In R. Glaser (Ed.), Training Research and Education. University of Pittsburgh Press, 1962.
- Millman, J. Reporting student progress: A case for a criterion-referenced marking system. Working papers in Educational Research, No. 5. Ithaca, N.Y.: Cornell University, 1970.
- Millman, J. Criterion-referenced measurement: An alternative. The Reading Teacher, 1972, 26, 278-281.
- Millman, J. Determining test length: Passing scores and test lengths for objectives-based tests. Los Angeles: Instructional Objectives Exchange, 1972.
- Millman, J. Passing scores and test lengths for domain-referenced measures. Paper presented at the annual meeting of the American Educational Research Association, Chicago, 1972.
- Millman, J. Program assessment, criterion-referenced tests, and things like that; domain-referenced tests. Educational Horizons, 1974, 52, 188-192.
- Millman, J., & Popham, W.J. Issue of item and test variance for criterion-referenced tests: A classification. Journal of Educational Measurement, 1974, 11, 137-138.
- Moxley, R.A. A source of disorder in the schools and a way to reduce it: Two kinds of tests. Teacher and Technology Supplement, Educational Technology, 1970, 10, 53-57.

- Moxley, R.A., Jr. Criterion-referenced tests and the consequences of feedback, Education, 1972, 93, 61-65.
- Mueller, D.J. Mastery model and some alternative models of classroom instruction and evaluation: An analysis. Educational Technology, 1973, 13, 5-10.
- Neidermeyer, F.C., and Sullivan, H.J. Differential effects of individual and group testing strategies in an objective-based instructional program. Journal of Educational Measurement, 1972, 9, 199-204.
- Newmark, G., Melaragno, R., and Silberman, H. The development of criterion-referenced tests in four skills for field testing three approaches to teaching Spanish in elementary schools. Technical memorandum: TM-3063, conducted under System Development Corporation's independent research program and State of California Standard Agreement No. 2591, 1966.
- Nitko, A.J. Criterion-referenced testing in the context of instruction. Symposium paper presented at the Educational Records Bureau-National Council on Measurement in Education Symposium, New York, 1970.
- Nitko, A.J. Some considerations when using a domain-referenced system of achievement tests in instructional situations. Paper presented at the annual meeting of the American Educational Research Association, Minneapolis, 1970.
- Nitko, A.J. A model for criterion-referenced tests based on use. Paper presented at the annual meeting of the American Educational Research Association, New York, 1971.
- Nitko, A.J. Problems in the development of criterion-referenced tests: The DLI Pittsburgh experience. University of Pittsburgh, Learning, Research and Development Center, 1972.
- Oakland, T. An evaluation of available models for estimating the reliability and validity of criterion-referenced measures. Paper presented at annual meeting of the American Educational Research Association, Chicago, 1972.
- Osburn, B. Comments on computer-assisted testing. In H.H. Harman, & Others, Computer-assisted Testing. Princeton, N.J.: Educational Testing Service, 1969.
- Osburn, H.G. Item sampling for achievement testing. Educational and Psychological Measurement, 1968, 28, 95-104.
- Ozenne, D.G. Toward an evaluative methodology for criterion-referenced measures: Test sensitivity. Report No. 72, Center for the Study of Evaluation, UCLA Graduate School of Education, Los Angeles, 1971.

Pack, E.C. The effects of testing upon attitudes towards the method and content of instruction. Journal of Educational Measurement, 1972, 9, 141-144.

Pinsky, P.D. Criterion-referenced evaluation models. Paper presented at the annual meeting of the National Council of Teachers of Mathematics, Chicago, 1972.

Pinsky, P.D. Implementation of a computer-based educational evaluation center. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, 1973.

Popham, W.J. An approaching peril: Cloud-referenced tests. Phi Delta Kappan, 614.

Popham, W.J. Indices of adequacy for criterion-referenced test items. Symposium presented at the joint annual meeting of the National Council for Educational Measurement and the American Educational Research Association, Minneapolis, 1970.

Popham, W.J. (Ed.) Criterion-Referenced Measurement, An Introduction. Englewood Cliffs, N.J.: Educational Technology Publications, 1971.

Popham, W.J. Criterion-Referenced Testing. Englewood Cliffs, N.J.: Educational Technology Publishers, 1971.

Popham, W.J. Indices of adequacy for criterion-referenced test items. In W.J. Popham (Ed.), Criterion-Referenced Measurement, An Introduction. Englewood Cliffs, N.J.: Educational Technology Publications, 1971

Popham, W.J. Selecting objectives and generating test items for objectives based tests. Paper presented at the Conference on Problems in Objectives Based Measurement, Center for the Study of Evaluation, University of California, Los Angeles, 1972.

Popham, W.J., and Husek, T.R. Implications of criterion-referenced measurement. Journal of Educational Measurement, 1969, 6, 1-9.

Proger, B.B., & Mann, L. Criterion-referenced measurement: The world of gray versus black and white. Journal of Learning Disabilities, 1973, 6, 72-84.

Proger, B.B., Mann, L., Burger, R.M., and Cross, L.H. Adapting criterion-referenced measurement to individualization of instruction for handicapped children: Some issues and a first attempt. Paper presented at the annual convention of the American Educational Research Association, 1972.

- Quirk, T.J. Some measurement issues in competency-based teacher education, Phi Delta Kappan, 1974, 55, 316-319.
- Rodocy, R.E., and Boyle, J.D. Further substantiation of an instructional philosophy through criterion-referenced testing. Paper presented at the meeting of the National Council on Measurement in Education, New Orleans, 1973.
- Rahmlow, H.F. Implementing a mixed program of criterion and noncriterion-referenced measurement. Paper presented at the annual meeting of the American Educational Research Association, Chicago, 1972.
- Rahmlow, H.F., Matthews, J.J., and Jung, S.M. An empirical investigation of item analysis in criterion-referenced tests. Paper presented at the joint annual meetings of the American Educational Research Association and National Council on Measurement in Education, Minneapolis, 1970.
- Raju, N.S. A note on Livingston's reliability coefficient for criterion-referenced tests. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, 1973.
- Randall, R.S. Contrasting norm referenced and criterion-referenced measures. Paper presented at the annual meeting of the American Educational Research Association, Chicago, 1972.
- Ransom, G.A. Criterion-referenced tests: Let the buyer beware! The Reading Teacher, 1972, 26, 282-286.
- Rapp, M.L., & Haggart, S.A. Idiographic analysis of achievement measures. Educational Technology, 1973, 13, 23-26.
- Reid, C.J. Printed comments with item analysis. Journal of Educational Measurement, 1970, 7, 159-160.
- Roebuck, M. Floundering among measurements in educational technology Programmed Learning and Educational Technology, 1972, 9, 87-97.
- Roudabush, G.E. Item selection for criterion-referenced test. Paper presented at annual meeting of the American Educational Research Association, New Orleans, 1973.
- Roudabush, G.E., & Green, D.R. Some reliability problems in a criterion-referenced test. Paper presented at the annual meeting of the American Educational Research Association, New York, 1971.
- Roudabush, G.E., & Green, D.R. Aspects of a methodology for creating criterion-referenced tests. Paper presented at the annual meeting of the National Council for Measurement in Education, Chicago, 1972.

- Royal, M. Performance objectives and C-R tests: we wrote our own! Bangor, Michigan. The Reading Teacher, 1974, 27, 701-703.
- Rupley, W.H. Criterion-referenced testing: ERIC/RCS report. The Reading Teacher, 1975, 28, 426-427.
- Samuels, S., and Edwall, G. Measureing reading achievement: A case for criterion-referenced testing and accountability. NCME Measurement in Education, 1975, 6, 1-7.
- Saupe, J.L. Selecting items to measure change. Journal of Educational Measurement, 1966.
- Schriber, P. An empirical comparison of criterion-referenced data collected by mastery testing versus repeated item-examinee sampling. In Criterion-referenced evaluation using time-series designs and item-examinee sampling. Symposium presented at the annual meeting of the American Educational Research Association, New Orleans, 1973.
- Shah, R.A. The structure and the criterion-related validity of the Copes Test of Critical Terms and the Copes Test of Science Concepts. (Doctoral dissertation, New York University, 1969), (University Microfilms No. 69-21, 199).
- Shavelson, R.J. Criterion-referenced testing: Comments on reliability. Journal of Educational Measurement, 1972, 9, 133-137.
- Shoemaker, D.M. Criterion-referenced measurement revisited. Educational Technology, 1971, 61-62.
- Shoemaker, D.M. Improving criterion-referenced measurement. Journal of Special Education, 1972, 6, 315-323.
- Shoemaker, D.M. Toward a framework for achievement testing. Review of Educational Research, 1975, 45, 127-147.
- Shoemaker, D.M., & Osburn, H.G. Computer-aided item sampling for achievement testing: A description of a computer program implementing the universe defined test concept. Educational and Psychological Measurement, 1969, 29, 165-172.
- Shub, A.N. Criterion-referenced measurement: Proven ideas. Paper presented at the annual meeting of the National Council on Measurement in Education, New Orleans, 1973.
- Simon, G.B. Comments on "Implications of criterion-referenced measurement," Journal of Educational Measurement, 1969, 6, 259-260.

- Skager, R. Generating criterion-referenced test from objective-based assessment systems: Unsolved problems in test development, assembly, and interpretation. A report from the Center for the Study of Evaluation, UCLA, 1973.
- Smythe, M.J., & Others. Comparison of norm-referenced and criterion-referenced measurement with implications for communication instruction, The Speech Teacher, 1973, 22, 1-17.
- Some things parents should know about testing. Test Service Notebook #34, New York: Harcourt Brace Jovanovich.
- Spady, W.G. Mastery learning: Its sociological implications. Paper presented at the meeting of the American Educational Research Association, New Orleans, 1973.
- Stake, R.E. Testing hazards in performance contracting. Phi Delta Kappan, 1971, 6, 583-589.
- Sticht, T.G., & Caylor, J.S. Development and evaluation of job reading task test (HumRRO Tech. Rep.). Alexandria, Va.: Human Resources Research Organization, (In press).
- Suppes, P., & Morningstar, M. Four programs in computer-assisted instruction. In W. Holtzman (Ed.), Computer-assisted Instruction, Testing, and Guidance. New York: Harper and Row, 1970.
- Swaminathan, H., & Others. Reliability of criterion-referenced tests: A decision-theoretic formulation. Journal of Educational Measurement, 1974, 11, 263-367.
- Swaminathan, H., & Others. Bayesian decision-theoretic procedure for use with criterion-referenced tests. Journal of Educational Measurement, 1975, 12, 87-98.
- Thompson, R.A., & Dziuban, C.D. Criterion-referenced reading tests in perspective. The Reading Teacher, 1973, 27, 292-294.
- Thorndike, E.L. Original tendencies as ends: Emulation in the case of school "marks." A section in author's Educational Psychology. New York: Teacher's College, Columbia University, 1913, 1, 286-289.
- Thornton, R.F., & Wasdyke, B.G. A taxonomy for the development of multidimensional test specifications. Test Development Memorandum: TDM-72, Princeton, N.J.: Educational Testing Service, 1972.

- Troost, C.J., & Morris, S. Effects of method of instruction and frequency of response on criterion performance. Science Education, 1971, 55, 379-386.
- Trow, W.C. Paths in Educational Reform. Englewood Cliffs, N.J.: Educational Technology Publications, 1971
- Tucker, L.R. Scales minimizing the importance of reference groups. In Proceedings, Invitational Conference on Testing Problems. Princeton, N.J.: Educational Testing Service, 1952, 22-28.
- Tucker, L.R. Selecting appropriate score scales for tests. In Proceedings, Invitational Conference on Testing Problems. Princeton, N.J.: Educational Testing Service, 1952.
- Tyler, R. Changing concepts of educational evaluation. In Stake, R. (Ed.), Perspectives of Curriculum Evaluation. American Educational Research Association Monograph Series on Curriculum Evaluation, Chicago: Rand McNally, 1967, 13-18.
- Unks, N.J. An investigation of validity and reliability concepts for criterion-referenced measurement. Unpublished Master's Thesis, University of Pittsburgh, 1969.
- Vargas, J.S. Item selection techniques for non-referenced and criterion-referenced tests. (Doctoral Dissertation, University of Pittsburgh, 1969), (University Microfilm No. 69-19, 668.
- Wakefield, J.A. Comparison of the Iowa Tests of Basic Skills and the Prescriptive Reading Inventory. Journal of Educational Research, 1975, 68, 347-349.
- Walbesser, H.H. A hierarchically based test battery for assessing scientific inquiry. Paper presented at the meeting of the American Educational Research Association, Chicago, 1968.
- Wang, M.C. (Ed.) Criterion-referenced tests for the primary educationn project. Pittsburgh, Pa.: University of Pittsburgh, 1968.
- Wang, M.C. Approaches to the validation of learning hierarchies. In Western Regional Conference on Testing Problems. Princeton, N.J.: Educational Testing Service, 1969.
- Wang, M.C. Accuracy of teacher's predictions on children's learning performance. Journal of Educational Research, 1973, 66, 462-465.

- Ward, J. On the concept of criterion-referenced measurement. British Journal of Educational Psychology, 1970, 40, 314-323.
- Warrington, W.G. Criterion related measures: Some general considerations. Paper presented at the annual meeting of the American Educational Research Association, Minneapolis, 1970.
- Wentling, T.L. Measuring the achievement of competencies. Educational Technology, 1973, 13, 48-50.
- Wernimont, P.F., & Campbell, J.P. Signs, samples, and criteria. Journal of Applied Psychology, 1968, 52, 372-376.
- Wilson, H.A. A humanistic approach to criterion-referenced testing. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, 1973.
- Wood, R. The efficacy of tailored testing. Educational Research, 1969, 11, 219-222.
- Woodson, M. Issue of item and test variance for criterion-referenced tests. Journal of Educational Measurement, 1974, 11, 63-64.
- Woodward, H.M.E. Criterion-referenced tests and the measurement of language growth. Volta Review, 1975, 77, 229-240.
- Young, J.C., & Others. Validity of the Tests of Achievement in basic skills (TABS), level b, for predicting achievement in elementary mathematics. Educational and Psychological Measurement, 1973, 33, 909-913.