

LEE J. CRONBACH UND EVELORE PAREY  
IN ZUSAMMENARBEIT MIT  
CAROL CODORI UND MICHAEL RAVITCH

## *VI Bibliographie Curriculumevaluation*

Diese Bibliographie wurde ursprünglich für einen Kurs über Curriculum-evaluation für Doktoranden an der Universität Stanford erarbeitet.

Die zahlreichen Veröffentlichungen über Evaluation lassen sich kaum noch überschauen. Es ist außerordentlich schwierig zu entscheiden, ob eine bestimmte Veröffentlichung wirklich wichtig ist. Man mag die Zuordnung des vorliegenden Materials zu den einzelnen Kategorien dieser Bibliographie als eine Art Gewichtung ansehen. Wir hoffen, daß dem deutschen Leser ein Einblick in einen relativ neuen Bereich der Unterrichtsforschung gegeben wird, in dem bisher kaum Veröffentlichungen in deutscher Sprache vorliegen. Bei der Überarbeitung der Bibliographie haben wir versucht, die für deutsche Verhältnisse relevanten und dem deutschen Leser zugänglichen Publikationen zu berücksichtigen. Wir unterscheiden folgende Kategorien:

### I. Grundlegende Literatur

Diese Bücher sollte jeder kennen, der sich mit Evaluation beschäftigt. Es ist sicher nicht notwendig, jedes Buch von der ersten bis zur letzten Seite zu lesen. Mit großer Wahrscheinlichkeit aber wird man sich irgendwann im Zusammenhang mit einem bestimmten Problem auf ein Buch in dieser Kategorie beziehen müssen.

### II. Spezielle Fragestellungen

Literaturhinweise zu speziellen Fragestellungen wurden in diese Kategorie aufgenommen. Oft handelt es sich um qualitativ hochstehende, wichtige Arbeiten; manchmal mußten wir uns jedoch damit begnügen, die besten Veröffentlichungen, die wir finden konnten, aufzuführen.

### **III. Schulfächer und Schulstufen**

Diese Hinweise werden für die nützlich sein, die Evaluationsuntersuchungen für ein Unterrichtsfach oder eine Schulstufe planen.

### **IV. Beispiele für Evaluationsuntersuchungen**

Als Beispiele werden in dieser Kategorie bereits durchgeführte Evaluationsuntersuchungen genannt.

### **V. Neuere Veröffentlichungen**

In dieser Kategorie werden neue Veröffentlichungen aufgeführt, über deren Qualität man noch wenig aussagen kann. Einige werden später in eine der Kategorien I bis IV aufgenommen, andere durch bessere Arbeiten ersetzt.

## I. Grundlegende Literatur

- American Psychological Association, *Standards for educational and psychological tests and manuals*. 1966. American Psychological Association. (1200 Seventeenth St., N. W. Washington, D. C., 20036)
- Anastasi, A. (Ed.), *Testing problems in perspective*. 1966. American Council on Education, (1785 Massachusetts Ave., N. W. Washington, D. C. 20005)
- Bloom, B. S., et al., *Taxonomy of educational objectives. Part I. Cognitive domain*. New York: McKay 1956.
- Bloom, B. S., Hastings, J. T., and Madaus, G., *Handbook of formative and summative evaluation of student learning*. New York: McGraw-Hill 1971.
- Buros, O. K. (Ed.), *The sixth mental measurements yearbook*. Highland Park, N. J.: Gryphon Press 1965. Seventh yearbook in press [1972].
- Caro, F. G., *Readings in evaluation research*, New York: Russel Sage Foundation 1971.
- Cronbach, L. J., *Essentials of psychological testing*. New York: Harper & Row 1970 (3rd ed.).
- Cronbach, L. J., Evaluation for course improvement. In: R. W. Heath (Ed.), *New curricula*. New York: Harper & Row 1964. (Also in *Teachers College Record*, 1963, 64, 672-683).
- Dressel, P. L., and Mayhew, L., *General education - explorations in evaluation*. American Council on Education, 1954. (1758 Massachusetts Ave., N. W. Washington, D. C. 20005)
- Dressel, P. L., et al., *Evaluation in higher education*. Boston: Houghton Mifflin 1961.
- Ebel, R. L., *Measuring educational achievement*. New York: Prentice Hall 1965.
- Ebel, R. L. (Ed.), *Encyclopedia of educational research*. New York: Macmillan 1969 (4<sup>th</sup> ed.).
- Articles: Ammons, M.: *Objectives and outcomes*, 908-912; Coffman, W. E.: *Achievements tests*, 7-12; Ebel, R. L.: *Measurement in education*, 777-785; Heath, R. W.: *Curriculum evaluation*, 280-283; Tatsuoka, M. M.: *Experimental methods*, 474-481.
- Educational Product Report*, 1968 to date. (Educational Products Information Exchange Institute, 386 Park Avenue South, New York, N. Y. 10016)

- ETS Conference Proceedings, *Proceedings of the Invitational Conference on Testing Problems*. Princeton: Educational Testing Service 1965 to date.
- Evaluation Comment*. University of California at Los Angeles, Center for the Study of Evaluation. (Periodical) 1968 to date. (145 Moore Hall, University of California, 405 Hilgard Ave., Los Angeles, California, 90024.)
- Gage, N. L. (Ed.), *Handbook of research on teaching*. Chicago: Rand McNally 1963.
- Glaser, R. (Ed.), *Teaching machines and programmed learning II*. 1965. National Education Association. (1201 Sixteenth St., N. W. Washington, D. C., 20036)
- Grobman, H., *Evaluation activities of curriculum projects*. American Educational Research Association. Monograph Series on Curriculum Evaluation, No. 2, Chicago: Rand McNally 1968.
- Henry, N. B. (Ed.), National Society for the Study of Education. *Measurement of understanding*. 45<sup>th</sup> yearbook, I, Chicago: University of Chicago Press 1946.
- Krathwohl, D. R., et al., *A taxonomy of educational objectives II. Affective domain*. New York: McKay 1964.
- Lindquist, E. F. (Ed.), *Educational measurement*. American Council on Education 1951. (1785 Massachusetts Ave., N. W., Washington, D. C., 20005)
- Mehrens, W. A., and Ebel, R. L. (Eds.), *Principles of educational and psychological measurement*. Chicago: Rand McNally 1967.
- Lindzey, G., and Aronson, E. (Eds.), *Handbook of social psychology*. Vol. 2: Research Methods. Reading, Mass.: Addison-Wesley, 1968 (2nd ed.).
- Oppenheim, A. N., *Questionnaire design and attitude measurement*. New York: Basic Books 1966.
- Review of Educational Research. *Educational evaluation*, 1970, 40, 2.
- Scriven, M., The methodology of evaluation. Perspectives on Curriculum Evaluation. American Educational Research Association. *Monograph Series on Curriculum Evaluation*, No. 1, Chicago: Rand McNally 1967, 39-83.
- Shaw, M. E., and Wright, J. M., *Scales for the measurement of attitudes*. New York: McGraw-Hill 1967.
- Smith, E. R., and Tyler, R. W. (Eds.), *Appraising and recording student progress*. New York: Harper 1942.
- Suchman, E. A., *Evaluative research: principles and practice in public service and social action programs*. New York: Russell Sage Foundation 1967.
- Thorndike, R. L. (Ed.), *Educational measurement*, 1971. American Council on Education. (1785 Massachusetts Ave., N. W., Washington, D. C. 20005)
- Tyler, R. W., *Constructing achievement tests*. Columbus: Ohio State University 1934.
- , *Basic principles of curriculum and instruction*. Chicago: University of Chicago Press 1950.
- Wittrock, M. C., and Wiley, D. E. (Eds.), *The evaluation of instruction: issues and problems*. New York: Holt, Rinehart, and Winston 1970.

## II. Spezielle Fragestellungen

### A Historischer Überblick

- Callahan, R. E., *Education and the cult of efficiency*. Chicago: University of Chicago Press 1962. (Paperback edition, Phoenix 1964)
- Heath, R. W., Pitfalls in the evaluation of new curricula. *Science Education*, 1962, 46, 216.
- Judd, C. H., et al., *Education as the cultivation of higher mental processes*. New York: Macmillan 1936.

### B Funktion der Evaluation

- Atkin, J. M., Some evaluation problems in a course content improvement project. *Journal of Research in Science Teaching*, 1, 1963, 129-132.
- Bloom, B. S., The role of the educational sciences in curriculum development. *International Journal of the Educational Sciences*. 1966, 1, 5-16.
- Forehand, G., The role of the evaluator in curriculum research. *Journal of Educational Measurement*, 1966, 3, 199-204.
- Harris, C. W., Some issues in evaluation, *Speech Teacher*, 1963, 12, 191-199.
- Stake, R. E., The countenance of educational evaluation. *Teachers College Record*, 1967/68, 523-40.
- Timpane, P. M., Educational experimentation in national social policy. *Harvard Educational Review*, 1970, 40, 547-566.
- Williams, W., and Evans, J. W., The politics of evaluation: the case of Headstart. *Annals of the American Academy of Political and Social Sciences*, 1969, 385, 118-182.
- Zimiles, H., An analysis of current issues in the evaluation of educational programs. In: J. Hellmuth (Ed.), *The disadvantaged child*, II, New York: Brunner/Mazel 1968, 545-554.

### C Ableitung und Formulierung von Bildungszielen

- Broudy, H. S., The philosophical foundations of educational objectives. *Educational Theory*, 1970, 20, 3-21. Also in: Levit, M., *Curriculum*. Urbana: University of Illinois Press 1971.
- Eisner, E. W., Educational objectives: help or hindrance. *School Review*, 1967, 75, 250-260, Comments by Ebel, Hastings, Payne 261-277; Response 277-282.
- Evans, G., Behavioral objectives are no damn good. In: *Technology and Innovation in education*. Prepared by the Aerospace Educational Foundation. New York: Praeger 1968, 41-45.
- Krathwohl, D. R., Stating objectives appropriately for program, for curriculum, and for instructional materials development. *Journal of Teacher Education*, 1965, 12, 83-90.

- Lindvall, C. M., *Defining educational objectives*. Pittsburgh: University of Pittsburgh Press 1964.
- Mager, R. F., *Preparing objectives for programmed instruction*. Palo Alto: Fearon 1962.
- McGuire, Th. O., Decisions in curriculum objectives: a methodology for evaluation. *Alberta Journal of Educational Research*, 1969, 15, 17-30.

#### *D Anlage und Analyse von Evaluationsuntersuchungen*

- Anderson, G. J., Walberg, H. J., and Welch, W. W., Curriculum effects on the social climate of learning. *American Educational Research Journal*, 1969, 6, 315-329.
- Brownell, W. A., The evaluation of learning under dissimilar systems of instruction. *California Journal of Educational Research*, 1966, 17, 80-90.
- Campbell, D. T., Administrative experimentation, institutional records, and non-reactive measures. In: J. C. Stanley (Ed.), *Improving experimental design and statistical analysis*. Chicago: Rand McNally 1967.
- , Reforms as experiments. *American Psychologist*, 1969, 24, 409-428.
- , Temporal changes in treatment-effect correlations: A quasi-experimental model for institutional records and longitudinal studies. In: *Proceedings of the 1970 Invitational Conference on Testing Problems*. Princeton: ETS 1971, 93-110.
- Churchman, C. W. et al., *Introduction to operations research*. New York: Wiley 1957.
- Cochran, W. G., The planning of observational studies of human populations. *Journal of the Royal Statistical Society*, 1965, 128, 234-266.
- Cronbach, L. J., The logic of experiments on discovery. In: L. Shulman and E. Kieslar (Eds.), *Learning Discovery*, Chicago: Rand McNally 1966.
- Dick, W., A methodology for the formative evaluation of instructional materials. *Journal of Educational Measurement*, 1968, 5, 99-102.
- Edwards, A. L. and Cronbach, J. L., Experimental design for research in psychotherapy. *Journal of Clinical Psychology*, 1952, 8, 51-59.
- Elashoff, J. D., Analysis of covariance: a delicate instrument. *American Educational Research Journal*, 1969, 6, 383-402.
- Fischer, J. H., The question of control. In: *Proceedings of the 1965 Invitational Conference*. Princeton: Educational Testing Service [1966].
- Gallagher, J. J., *Analyses of teacher classroom strategies associated with student cognitive and affective performance*. University of Illinois 1968. Educational Resources Information Center - ERIC (ED 02 1808).  
ERIC Mikrofiche-Kollektion in Deutschland: Pädagogisches Zentrum 1 Berlin 31, Berliner Str. 40-41.
- Gallagher, J. J., *Teacher variation in concept presentation im BSCS curriculum program*, University of Illinois 1966. ERIC (ED 020306).
- Hyman, H. H. and Wright, Ch. R., Evaluating social action programs. In: P.

- Lazarsfeld et al. (Eds.), *The Uses of Sociology*. New York: Basic Books 1967, 741-783.
- Metfessel, N. S. and Michael, W. B., A paradigm involving multiple criterion measures for the evaluation of the effectiveness of school programs. *Educational and Psychological Measurement*, 1967, 27, 931-943.
- Stanford Research Institute, *Toward master social indicators*. Research memorandum EPRC-67-47-2, 1969 (Educational Policy Research Center. Stanford Research Institute. Menlo Park, California, 94025).
- Wallace, R. C. and Shavelson, R. J., *A systems analytic approach to evaluation: A heuristic model and its application*, ERIC, ED 058 202.
- Wykstra, R. A., *Human capital formation and manpower management*. New York: Free Press 1970.

### E Datensammlung und Interpretation

- Belson, W. A., Respondent understanding of survey questions. *Polls*, 1968, 3, 1-10.
- Bortmuth, J., *On the theory of achievement test items*. Chicago: University of Chicago Press 1970.
- Cook, St. W. and Selltiz, C. A multi-indicator approach to attitude measurements. *Psychological Bulletin*, 1964, 62, 36-55.
- Cox, R. C. and Graham, G. T., The development of a sequentially scaled achievement test. *Journal of Educational Measurement*, 1966, 3, 147-150.
- Ebel, R. L., Content standard test scores. *Educational and Psychological Measurement*, 1962, 22, 15-25.
- , The value of internal consistency and classroom examinations. *Journal of Educational Measurement*, 1968, 5, 71-73.
- Ferguson, R. L., *Computer-assisted criterion-referenced testing*. University of Pittsburgh, Learning Research and Development Center, Technical Report 1970.
- Fiske, D. W., *Measuring the concepts of personality*. Chicago: Aldine 1971.
- Goslin, D., *Guidelines for the collection, maintenance and dissemination of pupil records*. New York: Russell Sage Foundation 1970.
- Hively, W. II, Patterson, H. L. and Page, S. H., A »universe-defined« system of arithmetic achievement tests. *Journal of Educational Measurement*, 1968, 5, 275-290.
- Kropp, R. P. et al., The construction and validation of tests of cognitive processes as described in the Taxonomy of Education Objectives. *Journal of Educational Measurement*, 1964, 1, 39-42.
- Levine, H. G. and McGuire, Ch. H., Role playing as an evaluative technique. *Journal of Educational Measurement*, 1968, 5, 1-8.
- Levine, H. G. and McGuire, Ch. H., The validity and reliability of oral examinations in assessing cognitive skills in medicine. *Journal of Educational Measurement*, 1970, 7, 63-74.

- Mischel, W., *Personality and assessment*. New York: Wiley 1968.
- Popham, W. J. and Husek, T. R., Implications of criterion referenced measurement. *Journal of Educational Measurement*, 1969, 6, 1-9.
- Simon, A. and Boyer, E. G. (Eds.), *Mirrors for behavior: an anthology of classroom observation instruments*. Philadelphia, Research for Better Schools, Vols. 1-14. 1967-1970; Suppl. Vols. A, B, 1970; Special Edition: Mirrors for behavior II, Vols. A, B, 1970. (Distributed by Classroom Interaction Newsletter c/o Research for Better Schools, Inc. 1700 Market Str., Philadelphia, Pennsylvania 19103).
- Wallace, J., An abilities conception of personality. *American Psychologist*, 1966, 21, 132-138.
- Webb, E. J. et al., *Unobtrusive measures*, Chicago: Rand McNally 1966.
- Welch, W. W. and Walberg, H. J., Pretest and sensitization effects in curriculum evaluation. *American Educational Research Journal*, 1970, 7, 605-614.

### F Sammelbände

- Adelson, M. et al., Planning education for the future: comments on a pilot study. *American Behavioral Scientist*, 10, 1967, 7, Entire issue.
- Glaser, R. (Ed.), *Training research and education*. New York: Wiley 1965. Ingenkamp, K. (Ed.), *Methods for the evaluation of comprehensive schools*. Weinheim: Beltz 1969.

## III. Schulfächer und Schulstufen

### A Geisteswissenschaften

- Dressel, P. L. and Mayhew, L. B., *Critical analysis and judgment in the humanities*. Dubuque, Iowa: W. C. Brown 1956.

### B Sprachunterricht

- Braddock, R., Lloyd-Jones, R. and Schoer, L., *Research in written composition*. National Council of Teachers of English 1963. (508 S. Sixth Str., Champaign, Illinois 61820).
- Conference on *Needed research in the teaching of English*. Cooperative Research Monograph No. 11, 1963. (U.S. Office of Education. Superintendent of Documents, U.S. Government Printing Office Washington 25, D. C. 20402).
- Davis, F. B., Research in comprehension in reading. *Reading Research Quarterly*, 1968, 3, 499-545.
- Godshalk, F. I., Swineford, F. and Coffman, W. E., The measurement of writing ability. *Research Monograph*. No. 6, College Entrance Examination Board, 1966. (Order from Educational Teaching service).



Maxwell, J. and Tovatt, A., *On writing behavioral objectives for English*. Commission on the English Curriculum. National Council of Teachers of English, 1970. (508 S. Sixth Str., Champaign, Illinois 61820).

### C Fremdsprachen

Birkmaier, E. Evaluating the foreign language program. *North Central Association Quarterly*, 1966, 40, 263-271.

Lado, R.: *Language testing: the construction and use of foreign language tests*. New York: McGraw-Hill 1964.

### D Sozialkundliche Fächer

Berg, H. D. (Ed.), *Evaluation in social studies*. 35th Yearbook, National Council for the Social Studies, 1965. (National Education Association of the United States. 1201 Sixteenth Str., N. W. Washington, D. C. 20036).

Dressel, P. L. and Mayhew, L. B., *Critical thinking in social science*. Dubuque, Iowa: W. C. Brown 1954.

Fair, J. and Shaftel, F. (Eds.), *Effective thinking in the social studies*. 37th Yearbook, National Council for the Social Studies, 1967. (National Education Association of the United States. 1201 Sixteenth Str., N. W. Washington, D. C. 20036).

Goolsby, T. M. Jr., Differentiating between measures of different outcomes in the social studies. *Journal of Educational Measurement*, 1966, 3, 219-222.

Jarolimek, J., *Guidelines for elementary social studies*, 1967. Association for Supervision and Curriculum Development, NEA, 1201 Sixteenth Str., N. W., Washington, D. C. 20036).

### E Naturwissenschaften

The Biological Sciences Curriculum Study (B.S.C.S.) *Newsletter* No. 19, 1963; No. 24, 1965. (A Center at the University of Colorado, P. O. Box 930, Boulder, Colorado, 80302).

Karplus, R. (Ed.), *What is curriculum evaluation? Six answers*. 1968. Science Curriculum Improvement Study (Lawrence Hall of Science, University of California, Berkeley, California, 94720).

Klopfer, L. E. and McCann, D. C., Evaluation and unified science: measuring the effectiveness of the natural science course at the University of Chicago High School. *Science Education*, 1969, 53, 155-164.

Urichick, M. J., Research proposal: An attempt to evaluate the success of the CBA and CAGMS Chemistry courses. *Science Education*, 1967, 51, 5-11.

Walbesser, H. H., *Science - A Process Approach*. An evaluation model and its

application. Second Report. Commission On Science Education. Miscellaneous Publication 68-4, 1968. (American Association for the Advancement of Science. 1515 Massachusetts Ave., N. W., Washington, D. C., 20005).

#### F Vorschulerziehung

Hess, R. D. and Baer, R. (Ed.), *Early education: current theory, research, and action*. Chicago: Aldine 1968.

#### G Grundschule

Kearney, N. C., *Elementary school objectives*. New York: Russell Sage Foundation 1953.

#### H Hochschule

Feldman, K. A., *Research strategies in studying college impact*. ACT Research Report No. 34, May 1970. (Research and Development Division. American College Testing Program, P. O. Box 168, Iowa City, Iowa 52240).

Menne, J. W., Techniques for evaluating the college environment. *Journal of Educational Measurement*, 1967, 4, 219-226.

Troyer, M. E. and Pace, C. R., *Evaluation in teacher education*. American Council on Education, 1944. (1758 Massachusetts Ave., N. W., Washington, D. C. 20005).

### IV. Beispiele für Evaluationsuntersuchungen

Anderson, S. B., *Noseprints on the glass: how do we evaluate museum programs?* Princeton: ETS, 1966.

Astin, A., Learning mathematics: a survey of twelve countries. (Book review), *Science*, 30, 1967, 1721-1722.

Bach, G. L. and Saunders, Ph., Economic education: aspirations and achievements. *American Economic Review*, 1965, 55, 329-356.

Ball, S. and Bogatz, G. N., *The first year of Sesame Street: An evaluation* Princeton: Educational Testing Service, October 1970.

Barker, R. and Gump, P. V., *Big school, small school*. Stanford: Stanford University Press, 1964.

- Charters, W. W., *Motion pictures and youth, a summary*. New York: MacMillan 1935.
- Coleman, J. S. et al., *Equality of educational opportunity*. 1966. (U. S. Government Printing Office, Div. of Public Documents, Washington, D. C. 20402).
- Fivars, G. and Gosnell, D., *Nursing education: the problem and the process. The critical incident technique*. New York: MacMillan 1966.
- Fox, D. J., Conclusions of the Center's MES Evaluation. *Urban Review*, 1968, 2, 17-18.
- Fox, D. J. et al., *More effective schools*, Evaluation of ESEA Title I Projects in New York City, 1967-68. Center for Urban Education, 1968. (Center for Urban Education, 105 Madison Ave., New York, N. Y. 10016).
- Frankel, E., Evaluation of a curriculum for elementary science education. *Science Education*, 1968, 52, 284-290.
- Grobman, A. B., *The changing classroom: the role of the Biological Sciences Curriculum Study*. New York: Doubleday 1969.
- Grobman, H., The place of evaluation in the Biological Sciences Curriculum Study. *Journal of Educational Measurement*, 1966, 3, 205-212.
- Herron, J. D., Evaluation and the new curricula. *Journal of Research in Science Teaching*, 1966, 4, 159-170.
- Hill, Wm. F. et al., Group therapy for social impact: Innovation in leadership training. *American Behavioral Scientist*, 1967, 11, 1, Whole issue.
- Husén, T., *International study of achievement in mathematics: A comparison of 12 countries*. New York: Wiley 1967.
- Hyman, H. H. et al., *Application of methods of evaluation: four studies of the encampment for citizenship*. Berkeley: University of California Press 1962.
- Karplus, R. and Thier, H. D., *A new look at elementary school science: science curriculum improvement study*. Chicago: Rand McNally 1967.
- Klopfer, L. E., Effectiveness and effects of ESSP astronomy materials. *Journal of Research in Science Teaching*, 1969, 6, 64-75.
- Lambert, W. E. and Tucker, G. R., *The bilingual education of children*. Rowley, Massachusetts: Newbury House [1972].
- Maccoby, E. E. and Zellner, M., *Experiments in primary education. Aspects of Project Follow-Through*. New York: Harcourt Brace 1970.
- May, M. and Lumsdaine, A. A., *Learning from films*. New Haven: Yale University Press 1958.
- Michael, W. B., The realization of reliable and valid criterion measures for special undergraduate programs and courses aimed at the development and expression of creative behavior. *Journal of Educational Measurement*, 1964, 1, 97-102.
- Morrison, E. J. (and R. M. Gagné), *Development and evaluation of an experimental curriculum for the New Quincy Vocational Technical School*. (8 reports) American Institute for Research, 1965-1966. (American Institutes for Research, 135 North Bellefield Ave., Pittsburgh, Pennsylvania 15213).
- Newcomb, T. M. et al., *Persistence and change, Bennington College and its students after 25 years*. New York: Wiley 1967.
- Shaycoft, M. F., *The high school years: Growth in cognitive skills*. Project TA-

- LENT, 1967. (American Institutes for Research, 135 North Bellefield Ave., Pittsburgh, Pennsylvania, 15213).
- Spaulding, R. L., *Durham Education Improvement Program*. Final Report. 3 Vols., School of Education, Duke University 1971.
- Suppes, P. and Morningstar, M., Evaluation of three computer assisted instruction programs. *Science*, 1969, 166, No. 3903, 343 ff.
- Warburton, F. W. and Southgate, V., *i. t. a.: an independent evaluation*. London: Murray 1969.
- Welch, W. W. and Walberg, H. J., A design for curriculum evaluation. *Science Education*, 1968, 52, 10-16.
- Wrightstone J. W., et al., *Evaluation of the higher horizons program for underprivileged children*. Cooperative Research Project No. 1124. (New York, Bureau of Educational Research, Board of Education of the City of New York, 1964).

### V. Neuere Veröffentlichungen

- Allen, L. R., An evaluation of certain cognitive aspects of the Material Objects unit of the Science Curriculum Improvement Study Elementary Science Program. *Journal of Research on Science Teaching*, 1970, 7, 277-281.
- American Institutes for Research. *Evaluative research: Strategies and methods* 1970. (American Institutes for Research, 135 North Bellefield Ave., Pittsburgh, Pennsylvania 15213).
- Anderson, R. C., How to construct achievement tests to assess comprehension. *Review of Educational Research*, 1972, 42, 145-170.
- Astin, A., The methodology of research on college impact. Part I. *Sociology of Education*, 1970, 43, 223-254.
- Beatty, W. H. (Ed.), *Improving educational assessment and an inventory of measures of effective behavior*. Association for Supervision and Curriculum Development. 1969. (National Education Association of the United States. 1201 Sixteenth St., N. W., Washington, D. C. 20036).
- Belasco, J. A. and Trice, H. M., *The assessment of change in training and therapy*. New York: McGraw-Hill 1969.
- Block, J. H., Criterion-referenced measurement: potential. *School Review*, 1971, 79, 289-297.
- Block, J. H. (Ed.), *Mastery learning. Theory and practice*. New York: Holt, Rinehart and Winston 1971.
- Bloom, B. S., Mastery learning and its implications for curriculum development. In: Eisner, E. W. (Ed.): *Confronting curriculum reform*. Boston, Mass.: Little, Brown and Co. 1971. See also Comment by Lee J. Cronbach, *Ibid*.
- Boehm, A. et al., An exploratory technique for evaluating curricular interest. *Journal of Curriculum Studies*, 1970, 2, 59-66.
- Boruch, R. F., Maintaining confidentiality of data in educational research. *American Psychologist*, 1971, 26, 413-430.

- Caro, F. G., Issues in the evaluation of social programs. *Review of Educational Research*, 1971, 41, 87-114.
- Center for the Study of Evaluation, *Elementary school hierarchical objectives charts*. 1970. (Center for the Study of Evaluation. 145 Moore Hall, University of California, Los Angeles, California, 90024).
- , *Elementary school test evaluations*. CSE, 1970.
- , *Preschool / Kindergarten Test evaluations*. CSE-ECRC, 1971.
- Cronbach, L. J. and Furby, L., How we should measure »change« – or should we? *Psychological Bulletin*, 1970, 74, 68-80.
- Cronbach, L. J. and Suppes, P. C. (Eds.), *Research for tomorrow's schools*. New York: MacMillan, 1969.
- Curriculum Theory Network*, Monograph Supplement Curriculum Evaluation: Potentiality and Reality, 1971/72, Vol. 8/9.
- Drew, D. E., *A study of the NSF College Science Improvement Program*. American Council on Education Research Reports 1971. 6, 4. (Office of Research, American Council on Education, One Dupont Circle, Washington, D. C. 20036).
- Ebel, R. L., Criterion-referenced measurements: limitations. *School Review*, 1971, 79, 282-288.
- , How to write true-false test items. *Educational and Psychological Measurement*, 1971, 31, 417-426.
- Emrick, J. A., An evaluation model for mastery testing. *Journal of Educational Measurement*, 1971, 8, 321-326.
- Ferguson, R. L., *Computer assistance for individualized measurement*. Learning Research and Development Center, University of Pittsburgh, March, 1971.
- Flanders, N. A., *Analyzing classroom interactions*. Reading, Mass.: Addison-Wesley 1970.
- Forehand, G. A., An evaluation system for curriculum innovation. *Teachers College Record*, 1971, 72, 577-591.
- Gallagher, J. J., Nuthall, G. A. and Rosenshine, B., Classroom observation. American Educational Research Association. *Monograph Series on Curriculum Evaluation*, No. 6, Chicago: Rand McNally 1970.
- Gibbs, G. L. and Ellis, P., *A selected, annotated bibliography of ERIC documents related to the evaluation of schools*. 1971. ERIC TN 5-71-04.
- Ginther, R. J., Can a computer evaluate? *School Review*, 1971, 79, 602-613.
- Glass, G. V., The growth of evaluation methodology. American Educational Research Association. *Monograph Series on Curriculum Evaluation*, No. 7, Chicago: Rand McNally [1971].
- Gronlund, N. E., *Measurement and evaluation in teaching*. New York: Macmillan 1971 (2nd ed.).
- Heinemann, H. N. and Sussna, E., Criteria for public investment in the two-year college: A program budgeting approach. *Journal of human resources*, 1971, 6, 171-184.
- Holtzman, W. (Ed.), *Computer-assisted instruction, testing, and guidance*. New York: Harper and Row 1970.

- Jaeger, R. M., School testing to test the schools. In: *Proceedings of the 1970 Conference on Testing Problems*. Princeton: Educational Testing Service 1971, 39-52.
- Jungwirth, E., An evaluation of the obtained development of the intellectual skills needed for »Understanding of the Nature of Scientific Enquiry« by B.S.C.S. pupils in Israel. *Journal of Research on Science Teaching*, 1970, 7, 277-281.
- Levin, H. M., Cost-effectiveness analysis and educational policy: profusion, confusion, promise. *Journal of Human Resources*, 1970, 5, 1-33.
- Lindvall, C. M., Cox, R. C. and Bolvin, J. O., Evaluation as a tool in curriculum development: the IPI evaluation program. American Educational Research Association. *Monograph Series on Curriculum Evaluation*, No. 5, Chicago: Rand McNally 1970.
- Linn, R. L., Werts, Ch. E. and Tucker, L. R., The interpretation of regression coefficients in a school effects model. *Educational and Psychological Measurement*, 1971, 31, 83-93.
- Lord, F. M., Robbins-Monro procedures for tailored testing. *Educational and Psychological Measurement*, 1971, 31, 3-31.
- Meehl, P. E., Nuisance variables and the ex post facto design. In: Radner, M. and Winokur, S. (Eds.), *Minnesota Studies in the Philosophy of Science*, Vol. IV, Minneapolis: University of Minnesota Press 1970, 373-402.
- Merkle, D. G., A leadership workshop on elementary school science: An in-depth evaluation. *Journal of Research in Science Teaching*, 1970, 7, 121-133.
- Messick, S., *Evaluation of educational programs as research on educational process*. Princeton: Educational Testing Service, 1970 (RB 70-1).
- Meyer, G. R., Reactions of pupils to Nuffield Science Teaching Project trial materials in England at the ordinary level of the General Certificate of Education. *Journal of Research in Science Teaching*, 1970, 7, 283-302.
- National Assessment of Educational Progress. Womer, F. B., *What is National Assessment?* 1970. (National Assessment Office, Room 201 A, Huron Towers, 2222 Fuller Road, Ann Arbor, Michigan, 48105).
- , *Objectives*. (Separate booklets available in Art, 1971; Citizenship, 1969; Literature, 1970; Mathematics, 1970; Music, 1970; Reading, 1970; Science, 1969; Social Science, 1970; Writing, 1969.
- , Finley, C. J. and Berdie, F. S., *The National Assessment approach to exercise development*. 1970.
- , *Report 5 1969-70 Writing: Group results for sex, region, and size of community*. April 1971. Superintendent of Documents. U. S. Government Printing Office, Washington, D. C. 20402.
- , *Report 6 1969-70 Citizenship: Group results for sex, region, and size of community*. July 1971.
- , *Report 7 1969-70 Science: Group and balanced group results for color, parental education, size and type of community and balanced group results for region of the country, sex*. December 1971.
- Okey, J. R. and Gagné, R. M., Revision of a Science topic evidence of perfor-

- mance on subordinate skills. *Journal of Research in Science Teaching*, 1970, 7, 321-325.
- Phi Delta Kappa Commission on Evaluation, *Educational evaluation and decision making*. Bloomington, Ind.: PDK, 1971.
- Popham, W. J. et al., Instructional objectives. American Educational Research Association. *Monograph Series on Curriculum Evaluation*, No. 3, Chicago: Rand McNally 1969.
- Popham, W. J., Program fair evaluation: summative appraisal of instructional sequences with dissimilar objectives. *National Society for Programed Instruction Journal*, 1969, 8, 6-9.
- Resnick, L. B. and Wang, M. C., *Approaches to the validation of learning hierarchies*. Learning Research and Development Center. University of Pittsburgh 1969.
- Sawin, E. I., *Evaluation and the work of the teacher*. Belmont, Ca.: Wadsworth 1969.
- Schutz, R. E., The role of measurement in education. *Journal of Educational Measurement*, 1971, 8, 141-146.
- Smith, J. P., The development of a classroom observation instrument relevant to the Earth Science Curriculum Project. *Journal of Research in Science Teaching*, 1971, 8, 231-235.
- Stufflebeam, D. L., The use of experimental design in educational evaluation. *Journal of Educational Measurement*, 1971, 8, 267-274.
- Tyler, R. W. (Ed.), Educational evaluation: new roles, new means. *National Society for the Study of Education*, 68th Yearbook, Part II. Chicago: University of Chicago Press 1969.
- Walberg, H. J., Curriculum evaluation: Problems and guidelines. *Teachers College Record*, 1970, 71, 557-570.
- Wasik, J. L., A comparison of cognitive performance of PSSC and non-PSSC physics students. *Journal of Research in Science Teaching*, 1971, 8, 85-90.
- Whitfield, R. C. and Kerr, J. F., Some problems in course evaluation. A British view. *Teachers College Record*, 1970, 72, 267-274.
- Wick, J. W. and Beggs, D. L., *Evaluation for decision-making in the schools*. Boston: Houghton Mifflin 1971.