7/13/810
Graduate College
Computer-Based Education Research Laboratory
Technical Reports, Papers, and Reprints, 1958-93

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The following information does not appear in the original finding aid:

O'Connell, Dorothy. NOVANET/PLATO Bibliography 1961-1993. July 1993. PLATO Quarterly Progress Reports, 1960-67. CERL Progress Reports, Sept.-Nov. 1961, Sept. 1962-Nov. 1965, Sept. 1966-Aug. 1968.

Acronyms used in listing:

UICC = University of Illinois at Chicago-Circle
UIUC = University of Illinois at Urbana-Champaign
CSL = UIUC. Coordinated Science Laboratory
CERL = UIUC. Computer-based Education Research Laboratory
PEG = UIUC. CERL. PLATO Education Group
CATM = UIUC. CERL. Computerized Adaptive Testing and Measurement
MTC = UIUC. CERL. Military Training Centers Project
CSR = UIUC. Center for the Study of Reading

Box Listing:

Box 1:

58ja01   Control Systems Laboratory. "Progress Report for September, October, November 1957." Jan. 1958.

58ap01   Control Systems Laboratory. "Progress Report for December 1957, January, February 1958." April 1958. **This entry is out of order**

58jn01   Control Systems Laboratory. "Progress Report for March, April, May 1958." June 1958.

58se01   Control Systems Laboratory. "Progress Report for June, July and August 1958." Sept. 1958.

59ja01   Control Systems Laboratory. "Progress Report for September, October and

November 1958." Jan. 1959.

59mr01   Control Systems Laboratory. "Progress Report for December 1958, January, February 1959." March 1959.

59au01   Control Systems Laboratory. "Progress Report for March, April, May 1959." Aug. 1959.

59oc01   CSL. "Progress Report for June, July, August, 1959." Oct. 1959.

59no01   CSL. "Progress Report for September, October, November 1959." Nov. 1959.

60fe01   CSL. "Progress Report for December 1959, January, February 1960." Feb. 1960.

60my01   CSL. "Progress Report for March, April and May 1960." May 1959.

60au01   CSL. "Progress Report for June, July and August, 1960." 1960.

60no01   CSL. "Progress Report for September, October, November, 1960." 1960.

61fe01   CSL. "Progress Report for December, 1960, January and February, 1960." 1960.

61ap01   Bitzer, D. L., and P. Braunfeld. "Automated Teaching Machine (PLATO)." Patent disclosure, 6 April 1961.

61my01   CSL. "Progress Report for March, April and May 1961." May 1961.

61jn01   Bitzer, D. L., P. Braunfeld, and W. Lichtenberger. "PLATO: An Automatic Teaching Device." CSL Report I-103, June 1961. Also appears as: "PLATO: An Automatic Teaching Device." IRE Transactions on Education, E-4,157-161, Dec. 1961.

61au01   CSL. "Progress Report for June, July and August 1961." Aug. 1961.

61oc01   Bitzer, D. L., W. Lichtenberger, and P. G. Braunfeld. "PLATO II: A Multiple-Student, Computer Controlled Automatic Teaching Device." CSL Report I-109, Oct. 1961. Also appears as: "PLATO II: A Multiple-Student Computer Controlled Teaching Machine" in Learning and Computer-based Instruction. Coulson, ed. New York: John Wiley and Sons, 1962.

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62fe01   CSL. "Progress Report for December 1960, January and February 1962." Feb. 1962.

62my01   CSL. "Progress Report for March, April, May, 1962." May 1962.

62au01   Bachman, R. G. "Application of a Computer-controlled Automatic Teaching System to Network Synthesis." CSL Report I-115, 1962.

62au02   CSL. "Progress Report for June, July and August, 1962." Aug. 1962.

62se01   Bobotek, H. "Capacity of the PLATO II System Using the CSX-1 Computer as the Control Element." CSL Report I-118, Sept. 1962.

62se02   Braunfeld, P. G., and L. D. Fosdick. "The Use of an Automatic Computer in Teaching." CSL Report R-160, Sept. 1962. Also appears as: "The Use of an Automatic Computer System in Teaching." IRE Transactions in Education, E-5, 156-167, Sept. 1962.

62no0l   CSL. "Progress Report for September, October, November 1962." Nov. 1962.

62xx01   Bitzer, D. L., and P. Braunfeld. "Description and Use of a Computer Controlled Teaching System." Proceedings of the National Electronics Conference, New York, 787-792, 1962.

63jn01   Bitzer, D. L. "PLATO: An Electronic Teaching Device." Paper presented to the Annual Meeting of American Soc. Engineering Education, Philadelphia, PA, June 1963.

63fe01   CSL. "Progress Report for December 1962, January, February 1963." Feb. 1963.

63my01   CSL. "Progress Report for March, April, May, 1963." May 1963.

63my02   CSL. "Minimizing Precession Torques in the Electrically Supported Gyro." May 1963.

63au01   CSL. "Progress Report for June, July, August 1963." Aug. 1963.

63au02   Stolurow, L. M., and D. J. Davis. "Teaching Machines and Computer-based Systems." Technical Report No.1. Office of Naval Research and University of Illinois. Dept. of Psychology. Bureau of Educational Research. Training Research Lab, Aug. 1963.

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R-185, Jan. 1964.

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64ap01 Avner, R. A. "Heart Rate Correlates of Insight." CSL Report R-198, April 1964.

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64oc01 Avner, R. A. "Detection of Rate Changes in Periodic Phenomena." CSL Report R-235, Oct. 1964.

64no01 Lyman, E. R. "A Descriptive List of PLATO Lesson Programs 1960-1964." CSL Report R-186, Nov. 1964; revised: 1965. Also published as CSL Report R-296, 1966; revised: 1967. Also published as CERL Report X-2, May 1968; revised: May 1970.

64no02 CSL. "Progress Report for September, October, November 1964." Nov. 1964.

64xx01 Braunfeld, P. G. "Problems and Prospects of Teaching with a Computer." Journal of Educational Psychology, 55, 201-211, 1964.

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Box 2:

65fe01 CSL. "Progress Report for December 1964, January, February 1965." Feb. 1965.

65my01 CSL. "Progress Report for March, April, May, 1965." May 1965.

65au01 Hicks, B. L. "PLATO Program: VERBOSE." CSL Report I-129, Aug. 1965.

65au02 CSL. "Progress Report for June, July, August 1965." Aug. 1965.

65oc01 Bitzer, D. L., E. R. Lyman, and J. A. Easley, Jr. "The Uses of PLATO: A Computer-Controlled Teaching System." CSL Report R-268, Oct. 1965. Also appears as: "The Uses of PLATO: A Computer-Controlled Teaching System." Audiovisual Instruction 11(1), 16-21, 1966.

65no01 CSL. "Progress Report for September, October, November 1965." Nov. 1965.

65no02 Bitzer, D. L. "The PLATO Teaching System." Automated Education Letter, 1(2), 13-15, Nov. 1965.

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65de02   Bitzer, D. L., E. R. Lyman, and J. R. Suchman. "REPLAB: A Lesson in Scientific Inquiry Using the PLATO System." CSL Report R-260, 1965.

65xx01   Bitzer, D. L., E. R. Lyman, and J. A. Easley, Jr. "PLATO: A Computer Controlled Teaching System." In Computer Augmentation of Human Reasoning. Sass and Wilkinson, eds. Pages 39-105. Washington, DC: Spartan Books, l965.

66jn01   Willson, R. H. "A Capacitively Coupled Bistable Gas Discharge Cell for Computer Controlled Displays." CSL Report R-303, June 1966.

66jn02   Lyman, Elisabeth R. "A Descriptive List of PLATO Programs." CSL, June 1966; revised: July 1967.

66jl01   Johnson, R. "The Use of Programmed Learning and Computer-based Instruction in Electrical Engineering Network Analysis." CSL Report R-297, July 1966. Also appears as: "Using the PLATO Teaching System for Computer-based Instruction in Electrical Engineering." International Journal of Electrical Engineering Education, 5, 31-39, Jan. 1967.

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66se01   Schwartz, S. H. "A Paradigm for the Investigation of Antecedent Processes in Concept Attainment." CSL Report R-321, Sept. 1966.

66se02   Easley, J. A., Jr. "First Annual Report for Project SIRA." SIRA Report to the U.S. Department of Health, Education and Welfare. Office of Education, October 1965-September 1966.

66no01   Bitzer, D. L., and H. G. Slottow. "The Plasma Display Panel--A Digitally Addressable Display with Inherent Memory." Proceedings of the Fall Joint Computer Conference, Nov. 1966.

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66xx02   Fillman, L. A., CSL PLATO System Manual (A revision of "Manual for PLATO Compiler" by A. Hanson, S. Singer, and M. Walker), CSL, 1966.

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Laboratory." Nursing Research, vol. 15, no. 2., Spring 1966.

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67au03   Beberman, M. "Terminal Report for the Institute in Educational Media at the University of Illinois." Report to the U.S. Department of Health, Education, and Welfare, Office of Education, June 1967-Aug. 1967.

67oc01   Easley, J. A., Jr. "A Project to Develop and Evaluate a Computerized System for Instructional Response Analysis." Interim SIRA Report to the U.S. Department of Health, Education and Welfare, Office of Education, Oct. 1967.

67no01   Stredde, E. "The Development of a Multicolor Plasma Display Panel." CSL Report R-370, Nov. 1967.

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Relation to List Difficulty." Psychon. Sci., 7(4), 1967.

67xx03   Montague, W. E., and A. J. Wearing. "The Complexity of Natural Language Mediators and its Relation to Paired-Associate Learning." Psychon. Sci., 7(4), 1967.

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67xx05   Montague, W. E., and A. J. Wearing. "The Retention of Responses of Individual Stimuli and Stimulus Classes." Psychon. Sci., 9(2), 1967.

67xx06   Montague, W. E., and A. J. Wearing. "Natural Language Mediation: A Source of Interference with Extra-Experimental Interference." Psychon. Sci., 9(6), 1967.

67xx07   Wearing, A. J., C. B. Walker, and W. E. Montague. "Recall of Paired-Associates as a Function of Their Associability." Psychon. Sci., 9(10), 1967.

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68fe02   Hicks, B. L. "EVALTLK: PLATO-aided Student Evaluation of a Course." CERL Report N-1, Feb. 1968.

68fe03   Bitzer, D. L. "Instruction in Medical Education." Paper presented to the Conference on Computer-Assisted Instruction in Medical Education, Harvard, Feb. 1968.

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68ap02   Bitzer, D. L. "The Computer: A Flexible Guide to an Art Museum." Computer and Their Potential Applications in Museums, from a conference sponsored by Metropolitan Museum of Art. New York: Arno Press, April 1968.

68my01   Arora, B. M. "The Influence of Gas Composition and of Signal Wave form on Properties of the Plasma Display."CSL Report R-377, May 1968.

68my02   Huggett, G., D. J. Davis, and J. W. Rigney. "Computer-Aided Technical Training Using Electronic Equipment On-Line." Tech. Report 59. USC Dept. of Psych. Electronics Personnel Research Group, May 1968.

68my03   Lyman, E. R. "Instructions for Using the PLATO Logic, GENERAL." CERL Report X-1, May 1968.

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68my05   Lyman, Elisabeth R. "A Descriptive List of PLATO Programs: 1960-1968." CERL Publication X-2, May 1968; revised: May 1970, June 1971.

68jn01   Dennis, J. R. "Teaching Selected Geometry Topics via a Computer System." CERL Report X-3, June 1968.

68jn02   Bitzer, M. "A Computer-based Course in Nursing." With film narrative supplement. Paper presented to the 21st Annual Meeting of the Conference of Catholic Schools of Nursing, June 1968.

Box 3:

68jl01   Lyman. "Computer-based Education--pain or pleasure." Illinois School Board Journal, 35(4), July-Aug. 1968.

68au01   Bitzer, D. L., and J. A. Easley, Jr. "PLATO III: A Computer-based System for Instruction and Research." Proceedings of the 16th International Congress of Applied Psy., Amsterdam, Aug. 1968.

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68se02   Easley, J. A., Jr. "A Project to Develop and Evaluate a Computerized System for Instructional Analysis." SIRA Report to the U.S. Department of Health, Education and Welfare, Office of Education, Sept. 1968.

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Interpersonal Behavior." Symposium Report on Language and Thought. University of Arizona Press, Nov. 1968.

68de0l   Bitzer, D. L., and D. Skaperdas. "PLATO IV: An Economically Viable Large Scale Computer-based Education System." Paper presented to the National Electronics Conference, Chicago, IL, Dec. 1968.

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68xx01   Bitzer, D. L., and H. G. Slottow. "The Plasma Display Panel--A New Device for Direct Display of Graphics." In Emerging Concepts in Computer Graphics. D. Secrest and J. Nievergelt, eds. Pages 2-28. New York: W. A. Benjamin, 1968.

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69fe02   Bitzer, D. L. "Some Aspects of Design and Economics for a Computer-based Education System." Paper presented to the American Educational Research Association at the CAI Symposium, Los Angeles, Feb. 1969.

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69my01   Umpleby, S. "The Teaching Computer as a Device for Social Science Research." CERL Report X-7, May 1969.

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69jn02   Smith, S. G. "The Use of Computers in the Teaching of Organic Chemistry." Abstracts of the Third Great Lakes Regional Amer. Chem. Soc. Symposium on the Use of Computers in Chemistry, DeKalb, IL, June 1969.

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69jl02   Alpert, D., and D. L. Bitzer. "Advances in Computer-based Education." CERL Report X-10, July 1969. See 70mr03 for reprint in Science magazine.

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69au01   Levine, P. "Design, Study and Simulation of Space-Divided Output Buffer for PLATO." CERL Report X-9, Aug. 1969.

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70fe01   Scanlan, R. T. "Computer-assisted Instruction in the Humanities." Illinois Journal of Education, 33-36, I , Feb.1970.

70fe02   Golden, W. M. "Computer-based Education--Script IX." Office of the Superintendent of Public Instruction, Division of Instruction, Dial for Education Information Service. Broadcast 2 Feb. through 15 Feb. 1970.

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70ap02   Myers, M. K. "Media in Systems." Paper presented to the Central State Conference on Teaching of Foreign Languages, St. Louis, MO, April 1970.

70ap03   Singh, Y. "Application of the Plasma Panel Technique to Alphanumeric Bar Matrix Display." CERL Report N-4, April 1970.

70ap04   Johnson, Roger L. "The Application of the Plasma Display Technique to Computer Memory Systems." CSL Report R461, April 1970 **should be 65ap04**.

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70jl01   Avner, R. A. "Operation on PLATO by Lesson Authors." Memo to PLATO Users, July 1970.

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70xx04   Johnson, R. L., and N. A. Risser. "Design and Implementation of a Computer-based Education System." Chapter 17 (p. 133-152) in The Computer Utility: Implications for Higher Educaton. Heath Lexington Publishers, 1970.

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71fe01   Scanlan, R. T. "Computer-assisted Instruction in Latin." Classical Journal, 66(3), 223-27, Feb. -March 1971. Also appears as: "Computer-assisted Instruction: PLATO in Latin." Foreign Language Annals, 5(1), Oct. 1971.

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71jn03   Steinkellner, L. "A Computer Simulation to Teach Test Construction." CERL Report X-25, June 1971.

71jn04   Stifle, J., D. L. Bitzer, and M. Johnson. "Digital Data Transmission Via CATV." CERL Report X-26, June 1971, May 1972.

71jn05   Tucker, P. T. "A Large Scale Computer Terminal Output Controller." CERL Report X-27, June 1971.

<u>Box 4:</u>

71jn06   Sherwood, B. A., C. Bennett, C. Tenczar, and J. Mitchell. "Experience with a PLATO Mechanics Course." Proceedings of the Conference on Computers in Undergraduate Curricula, Dartmouth College, June 1971.

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71jl02   Grossel, R. L. "A Computer-based Education Approach to Electrical Network Theory: Lesson Development, Use and Evaluation." CERL Report X-29, July 1971.

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