COMPUTER-ASSISTED CAREER GUIDANCE: CAREER INFORMATION SYSTEM BIBLIOGRAPHY

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July 25, 1998
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This bibliography, along with other bibliographies developed by the Center for the Study of Technology in Counseling and Career Development, is intended to assist practitioners, researchers, policy makers, and system developers in identifying and locating sources of information on the design and use of computer-assisted career guidance (CACG) systems. The ultimate aim of this effort is to improve the availability and quality of career and educational services to children, adolescents, and adults. Bibliographies are available on General CACG Issues, CACG Ethical Issues, CACG Multicultural Issues, CACG Disability Issues, and CACG Research and Evaluation. Bibliographies are also available on specific collections of CACG systems, such as Career & College Quest, the Career Information System, Career Visions, Choices, C-LECT, COIN Career Guidance System, DISCOVER, FOCUS II, the Guidance Information System, and SIGI PLUS.

The Career Information System (CIS) bibliography contains references to the following computer-assisted career guidance systems:

CAREER INFORMATION SYSTEM* OCCUPATIONAL INFORMATION ACCESS SYSTEM

The reader is cautioned against making generalizations about the equivalence of different versions of a computer-assisted career guidance (CACG) system when substantial **content** and **process** changes have been made over time. Features that were or were not effective in one version of a CACG system may not be retained in revised versions. In situations where CACG system **content** or **process** changes have occurred, practitioners and researchers need to evaluate the issue of equivalency either through existing research, or at a minimum, by conducting a thorough comparison of system features.

This bibliography is organized as follows: Systems, Theoretical and Research Foundations, Evaluation and Research Reports, Program Descriptions, and Support Materials. **Systems** identifies current versions of CIS. **Theoretical and Research Foundations** includes the theory and research that has guided the development of CIS. **Evaluation and Research Reports** includes investigations of the impact of CIS in meeting the needs of various populations. **Program Descriptions** includes reports of the use of CIS within various organizations. **Support**

^{*} Currently available version.

<u>Materials</u> includes print-based and video-based materials for professionals and individual users that are designed to enhance the effectiveness of CIS.

The Center for the Study of Technology in Counseling and Career Development does not provide copies of the original documents. To locate the original documents please refer to the appropriate journal, book, or sponsoring organization. Additional information on CIS may be obtained from: intoCareers, 975 High Street, Eugene, OR 97401, (541) 346-2356, (541) 346-2346 FAX, http://intoCareers.uoregon.edu General information on computer-based career information delivery systems may be obtained from the Association of Computer-Based Systems for Career Information, 6613 Benson Drive, Alexandria, VA 22306, (703) 768-6853 (voice), (703) 768-7585 (FAX), http://www.acsci.org, vaacsi@aol.com

Funding for computer-assisted career guidance bibliographies produced by the Center for the Study of Technology in Counseling and Career Development is currently provided by the National Occupational Information Coordinating Committee and the Florida State University Career Center. Previous funding for the development of bibliographies was provided by the W. K. Kellogg Foundation, the Florida Department of Education Bureau for Career Development, and the Florida State University College of Education and Division of Student Affairs.

Systems

Career Information System [Computer software]. (1997). Eugene, OR: National Career Information System, University of Oregon.

Theoretical and Research Foundations

Career Information System (1975). <u>Education components for a career information system: Final project report for fund for the improvement of post-secondary education.</u> Eugene, OR: University of Oregon. (ERIC Document Reproduction Service No. ED 129 980)

- McKeever, M. (1979). <u>Research and development of an occupational information access system.</u> Eugene, OR: University of Oregon, Career Information System.
- McKinlay, B. (1965). Organization of a career information system: The Oregon approach. In S. L. Wolfbein (Ed.), <u>Labor Market Information for Youths.</u> Philadelphia: Temple University School of Business Administration.
- McKinlay, B. (1974). <u>Oregon career information system: An evaluation of phases I and II of a three-phase development project: Final report.</u> Eugene, OR: Oregon University, Career Information System. (ERIC Document Reproduction Service No. ED 094 111)
- McKinlay, B. (1975). Occupational Information Access System: A model system of labor market information for use in counseling. <u>Journal of Educational Data Processing</u>, 7, 5.
- McKinlay, B. (1975). <u>Developing a career information system: Final report.</u> Springfield, VA: National Technical Information Service. (ERIC Document Reproduction Service No. ED 109 375)
- McKinlay, B. (1976). <u>Characteristics of jobs that are considered common: Review of literature and research.</u> Columbus, OH: Ohio State University, The Center for Vocational Education.
- McKinlay, B. (1979). Systematic delivery of career information. In R. Wise (Ed.), <u>Improving Educational Information Services</u>. San Francisco: Jossey-Bass.
- McKinlay, B., & Franklin, P. (1974). <u>Oregon Career Information System: Educational components project midyear report.</u> Eugene, OR: Oregon University, Career Information System.

- Neill, M. J. (1982). <u>The microcomputer: A career information machine?</u> Eugene, OR: University of Oregon. (ERIC Document Reproduction Service No. ED 219 872)
- Siegel, H., & Scurr, E. (1985). The CIS database: occupational health and safety information on-line. <u>On-line</u> Review, 9(1), 51-59.

Evaluation and Research Reports

- Bloch, D. P., & Kinnison, J. F. (1989). A method for rating computer-based career information delivery systems. Measurement and Evaluation in Counseling and Development, 21, 177-87.
- Bryk, A. S., & Raudenbush, S. W. (1983). The potential contribution of program evaluation to social problem solving: A view based on the CIS and push/excel experiences. <u>New Directions for Program Evaluation</u>, 17, 97-107.
- Dober, L. B. (1991). <u>Effective tools in a career exploration class: A study of QUEST.</u> Master's thesis, California State University at Long Beach.
- Friet, J. E., & Schmidt, R. L. (1976). <u>Implementing an occupational information system: Final report.</u>
 Olympia, WA: Washington State Occupational Information Service. (ERIC Document Reproduction Service No. ED 134 787)
- Jones, S. N. (1977). Computer-assisted vocational counseling in two Wyoming high schools (Doctoral dissertation, University of Wyoming, 1976). <u>Dissertation Abstracts International</u>, 37, 4865A.
- McKinlay, B. (1971). <u>Validity and readability of the Occupational Information Access System "Quest"</u> <u>questionnaire.</u> Eugene, OR: Oregon University, Career Information System. (ERIC Document Reproduction Service No. ED 084 434)
- McKinlay, B. (1980). The Career Information System: A decade of developmental research. In T. L. Wentling (Ed.), <u>ARRIVE: Annual review of research in vocational education</u> (Volume 1). Urbana, IL: University of Illinois.
- McKinlay, B., & Adams, D. (1971). <u>Evaluation of the Occupational Information Access System used at Churchill High School: A project report.</u> Eugene, OR: Oregon University, Career Information System. (ERIC Document Reproduction Service No. ED 084 435)
- McKinlay, B., & Franklin, P. (1975). <u>Education components for a career information system.</u> Eugene, OR: University of Oregon. (ERIC Document Reproduction Service No. CE 007 778)
- Schaefer, K. (1996). Evaluating access to vocational information and job choices. <u>Worksight, Vol. 14,</u> Mississippi State University, Rehabilitation Research and Training Center on Blindness and Low Vision.
- Rath, G. J., Jacobson, M. D., & Grabowski, B. T. <u>Career information delivery system feasibility study for the state of Illinois: Final report.</u> Evanston, IL: Northwestern University, School of Education. (ERIC Document Reproduction Service No. ED 197 064)
- Richmond Unified School District, California (1977). <u>EUREKA</u>, the <u>California Career Information System:</u> <u>Annual interim report.</u> CA: Richmond Unified School District. (ERIC Document Reproduction Service No. ED 145 144)
- Ross, L. (1971). <u>The effectiveness of two systems for delivering occupational information: A comparative</u> analysis. Master's thesis, University of Oregon.

- Sampson, J. P., Jr., Reardon, R. C., Humphreys, J. K., Peterson, G. W., Evans, M. A., & Domkowski, D. (1990). A differential feature-cost analysis of nine computer-assisted career guidance systems (3rd. Ed.). <u>Journal of Career Development</u>, 17(2), 81-111.
- Sampson, J. P., Jr., Reardon, R. C., Reed, C., Rudd, E., Lumsden, J., Epstein, S., Folsom, B., Herbert, S. M., Johnson, S., Simmons, A., Odell, J., Rush, D., Wright, L., Lenz, J. G., Peterson, G. W., & Greeno, B. P. (1998). <u>A differential feature-cost analysis of seventeen computer-assisted career guidance systems: (technical report No. 10)</u> (8th Ed.). Tallahassee, FL: Florida State University, Center for the Study of Technology in Counseling and Career Development.
- Sampson, J. P., Jr., Reardon, R. C., Wilde, C. K., Norris, D. S., Peterson, G. W., Strausberger, S. J., Garis, J. W., Lenz, J. G., & Saunders, D. E. (1994). A comparison of the assessment components of fifteen computer-assisted career guidance systems. In J. T. Kapes, M. M. Mastie, & E. A. Whitfield (Eds.), <u>A counselor's guide to career assessment instruments</u> (3rd. Ed.) (pp. 373-379). Alexandria, VA: National Career Development Association.
- Weick, J. (1972). <u>Occupational information for employment service counseling: An evaluation of the Occupational Information Access System pilot use in three Portland Employment Division offices.</u> Eugene, OR: University of Oregon. (ERIC Document Reproduction Service No. ED 091 589)

Program Descriptions

- Adams, L., & Anderson, W. (1971). <u>Older job seekers and occupational information.</u> Eugene, OR: University of Oregon. (ERIC Document Reproduction Service No. ED 084 436)
- Association of Computer-Based Systems for Career Information. (1994). <u>1994 directory of state-based career information systems.</u> Alexandria, VA: ACSCI Administrative Office, National Career Development Association.
- Bloch, D. P., & McKinlay, B. (1988). <u>Reducing the risk: Using career information with at-risk youth.</u> Eugene, OR: National Career Information System. (ERIC Document Reproduction Service No. ED 299 395)
- Bloch, D. P. (1989). Using career information with dropouts and at-risk youth. <u>The Career Development Quarterly</u>, 38(2), 160-171.
- Bloch, D. P. (1991). Reducing the risk: Using career information with at-risk youth. <u>NASSP Bulletin</u>, <u>75</u>(538), 38-44.
 - Buhl, C. (1995). New software helps students visualize a career path. Vocational Education Journal, 70, 30-33.
- Fauria, C. K. (1981). <u>The role the career information system plays in assessment and employability</u> <u>development plans.</u> Eugene, OR: University of Oregon, Career Information System. (ERIC Document Reproduction Service No. ED 205 762)
- Franklin, P. (1973, December). Educational component project of the career information system. <u>Career Education Digest</u>, 5-7.
- Gorman, A. M., Ed., & Clark, J. F. (Eds). (1973). <u>Implications of career education for teachers' preparation.</u>
 Columbus, OH: Ohio State University, Columbus, Center for Vocational and Technical Education. (ERIC Document Reproduction No. ED 074 206)
- Hargis, N., Buhl, C., & Sylwester, M. (1989). <u>Schoolwork, lifework: Integrating career information into high school career development programs A joint effort.</u> Eugene, OR: Oregon Career Information System. (ERIC Document Reproduction Service No. ED 323 340)

- Hartz, J. (1979). Systems of career/occupational information for youth and other CETA participants: Guidelines and considerations for CETA prime sponsors. Association for Computer-Based Systems of Career Information. (ERIC Document Reproduction Service No. ED 173 658)
- Hartz, J., & Lambert, R. (1980). Career information systems: guidelines and considerations for agencies assisting the economically disadvantaged, unemployed or underemployed (2nd. Ed.). Eugene, OR: University of Oregon, ACSCI Clearinghouse. (ERIC Document Reproduction Service No. ED 187 854)
- Imel, S. (1996). Computer-based career information systems. Columbus, OH: ERIC Clearinghouse on Adult, Career, and Vocational Education (ERIC document # ED 395216).
- Kelly, G. L. (1988). Improving vocational guidance and counseling for middle school students by maintaining a regional middle school resource center for southwest Virginia: Final report - Vocational guidance and counseling project--exemplary. Salem, VA: Roanoke County School Board. (ERIC Document Reproduction Service No. ED 296 106)
- Mariani, M. (1996). Computer-assisted career guidance: Ride the rising tide. Occupational Outlook Quarterly, 39(4) 16-27.
- McCallum, S. P. (1982). A feasibility study of implementation of a state-wide career information delivery system (Doctoral dissertation, Peabody College For Teachers of Vanderbilt University, 1982). Dissertation Abstracts <u>International</u>, <u>43</u>(6), 1775A.
- McDermott, M. M. (1976). Navy career education diffusion project: State of Oregon: Final report. Silver Spring, MD: Operations Research, Inc. (ERIC Document Reproduction Service No. ED 120 484)
- McDermott, M. N., Paramore, B., & Callahan, W. T. (1975). Work in the navy: A description of navy officer and enlisted occupations (Technical report no. 923). Silver Spring, MD: Operations Research, Inc. (ERIC Document Reproduction Service No ED 113 530)
- McKinlay, B. (1975). The manpower information clearinghouse: Final report. Eugene, OR: Oregon University, Career Information System. (ERIC Document Reproduction Service No. ED 122 092)
- McKinlay, B. (1988). Oregon's contribution to career information delivery 1972-1987. Journal of Career Development, 14(3), 160-168.
 - McKinlay, B., & Bloch, D. P. (1989). Career information motivates at-risk youth. OSSC Bulletin, 31(5).
- McKinlay, B., & Adkins, L. (1984, March). Microcomputer help for student course selection. Paper presented at the annual meeting of American Association of Counseling and Development, Houston, TX.
- McKinlay, B., & McKeever, M. (1975). Career planning information about work in the Navy. Silver Springs, MD: Operations Research, Incorporated.
 - Pierce, R. (1972). Careers on computer. American Education, 8(7), 31-35.
- Richardville, J., Partridge, J. A., Kinzer, M., & Benson, L. (1972). A decision-making system for the career information center at Tallahassee Community College. Tallahassee, FL: Tallahassee Community College. (ERIC Document Reproduction Service No. ED 082 725)
- Wolfbein, S. L., Ed. (1975). Labor market information for youths. Philadelphia, PA: Temple University, School of Business Administration. (ERIC Document Reproduction Service No. ED 134 708)

Support Materials

- Arnold, W. M. (1978). <u>A steering committee guide for planning a state-based Career Information System.</u> Eugene, OR: University of Oregon, Career Information System.
- Arnold, J., & McKinlay, B. (1980). <u>Board notebook: A guide to compiling information for boards of systems for career information.</u> Eugene, OR: University of Oregon, Career Information System. (ERIC Document Reproduction Service No. ED 201 770)
- Burton, M. K. (1980). <u>Management issues in information development: A report on management approaches in systems of computer-based career information.</u> Eugene, OR: University of Oregon, Career Information System. (ERIC Document Reproduction Service No. ED 201 768)
- Career Information System. (1975). <u>Career Information System (CIS)</u>, <u>keeping it going: Handbook for implementing the Career Information System.</u> Eugene, OR: University of Oregon.
- Career Information System. (1976). <u>Keeping it going: Handbook for implementing the career information system.</u> Eugene, OR: University of Oregon. (ERIC Document Reproduction Service No. ED 137 593)
- Clyde, J. S. (1973). <u>Getting it going--keeping it running: A handbook for Career Information Systems.</u> Eugene, OR: University of Oregon, Career Information System. (ERIC Document Reproduction Service No. ED 084 437)
- Franklin, P. L. (1979). <u>Financing a career information system.</u> Eugene, OR: University of Oregon, Career Information System. (ERIC Document Reproduction Service No. ED 201 769)
- Kowalczykowski, L. (1980). <u>The review panel process.</u> Eugene, OR: University of Oregon, Career Information System. (ERIC Document Reproduction Service No. ED 201 767)
- McKinlay, B. (1980). <u>Board notebook: A guide to compiling information for boards of systems for career information</u>. Eugene, OR: University of Oregon, Career Information System.
- McKinlay, B. (1980). <u>Sample printouts from the Career Information System.</u> Eugene, OR: University of Oregon, Career Information System.
- McKinlay, B. (1981). <u>Career information workshops, 1978-79.</u> Eugene, OR: University of Oregon, Career Information System. (ERIC Document Reproduction Service No. ED 201 766).
- Oregon Career Information System (1988). <u>Integrating Oregon career information materials into</u> <u>comprehensive career development, guidance and counseling programs: A training guide for high school counselors, teachers and administrators.</u> Salem, OR: Oregon Occupational Informational Information Coordinating Committee, Oregon State Department of Education. (ERIC Document Reproduction Service No. ED 322 376)
- Oregon State University, Corvallis (1977). <u>Career information system implementation handbook for colleges and universities.</u> Eugene, OR: Oregon State University, Corvallis, School of Education. (ERIC Document Reproduction Service No. ED 151 514)
- Steward, N., & Wiles, J. (1978). <u>CIS implementation handbook.</u> Eugene, OR: University of Oregon, Oregon Career Information System. (ERIC Document Reproduction Service No. ED 187 855)
- University of Oregon. (1973). <u>Career Information System. Computerized occupational information system.</u> Eugene, OR: Author. (ERIC Document Reproduction Service No. ED 084 345)
- University of Oregon. (1984). <u>Oregon Career Information System implementation handbook.</u> Eugene, OR: National Career Information System.

University of Oregon. (1992). Micro-CIS technical aid manual. Eugene, OR: National Career Information System.

University of Oregon. (1997). Coordinator's guide to Career Information System for Windows. Eugene, OR: National Career Information System.

University of Oregon. (1997). Oregon Career Information System user's handbook. Eugene, OR: National Career Information System.

University of Oregon. (1997). Oregon Career Information System quick reference guide. Eugene, OR: National Career Information System.