

COMPUTER-ASSISTED CAREER GUIDANCE: CHOICES BIBLIOGRAPHY

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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, CareerView, Career Visions, Choices, C-LECT, COIN Career Guidance System, DISCOVER, FOCUS II, the Guidance Information System, and SIGI PLUS.

The Choices bibliography contains references to the following computer-assisted career guidance systems:

Career Futures
Choices
Choices CT (for Adults in Career Transitions)
Choices Jr

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 Choices. **Theoretical and Research Foundations** includes the theory and research that has guided the development of Choices. **Evaluation and Research Reports** includes investigations of the impact of Choices in meeting the needs of various populations. **Program Descriptions** includes reports of the use of Choices within various organizations. **Support Materials** includes print-based and video-based materials for professionals and individual users that are designed to enhance the effectiveness of Choices.

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 Choices may be obtained from: Careerware, 175B State Street, Clayton, NY, 13624 Careerware, 2220 Walkley Road, Ottawa, Ontario, Canada, K1G 5L2, (800) 267-1544, bmacall@fed.ism.ca, <http://www.careerware.com>. 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

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Systems

Career Futures (Canadian Version) [Computer software]. (1997). Ottawa, Ontario: Careerware: ISM Corporation.

Career Futures (USA Version) [Computer software]. (1997). Ottawa, Ontario: Careerware: ISM Corporation.

Choices (Canadian Version) [Computer software]. (1997). Ottawa, Ontario: Careerware: ISM Corporation.

Choices (USA Version) [Computer software]. (1997). Ottawa, Ontario: Careerware: ISM Corporation.

Choices CT (Canadian Version) [Computer software]. (1997). Ottawa, Ontario: Careerware: ISM Corporation.

Choices CT (USA Version) [Computer software]. (1997). Ottawa, Ontario: Careerware: ISM Corporation.

Choices Jr (Canadian Version) [Computer software]. (1995). Ottawa, Ontario: Careerware: ISM Corporation.

Choices Jr (USA Version) [Computer software]. (1995). Ottawa, Ontario: Careerware: ISM Corporation.

Theoretical and Research Foundations (Canadian and USA Versions)

Jarvis, P. S. (1976). Choices: A proposal for computerized occupational information system for career and employment counseling. Ottawa, Ontario: Occupational Analysis and Development Branch, Strategic Planning and Research Division, Department of Manpower and Immigration.

Jarvis, P. S. (1989). Career Planning: Developing the Nation's Primary Resource. Unpublished manuscript, Careerware: STM Systems Corp., Ottawa, Ontario.

Jarvis, P. S. (1990). A nation at risk: The economic consequences of neglecting career development. Journal of Career Development, 16, 157-171.

Kinnison, J., MacCallum, B. (1994). Choices professional manual. Ottawa, Ontario: Careerware: ISM Corporation.

Turgeon, P. P. (1980). Some vocational counselling construct underpinnings within the "Choices" system. Canadian Counselor, 13, 157-161.

Evaluation and Research Reports (Canadian Version)

British Columbia Occupational Training Council & British Columbia Systems Corporation. (1980). British Columbia Choices pilot study February - June 1980. Unpublished manuscript: Author.

Casserly, M. C. (1977). Choices field trial report: May 30 - June 3, 1977. Unpublished manuscript, Occupation and Career Analysis and Development Branch, Department of Manpower and Immigration, Ottawa.

Casserly, M. C. (1978). A proposal: The cost effectiveness of CHOICES in comparison to the current counselling system in use in Canada employment centres. Unpublished manuscript, Occupation and Career Analysis and Development Branch, Department of Manpower and Immigration, Ottawa.

Cassie, J. R. (1979). A comparative analysis of Choices and S.G.I.S.: Selected aspects of on-line and batch delivery systems for computer-assisted guidance services. Toronto, Ontario: Ontario Department of Education. (ERIC Document Reproduction Service No. ED 180 132)

Clyde, J. S. (1979). Computerized career information and guidance systems. Columbus, OH: The National Center for Research in Vocational Education. (ERIC Document Reproduction Service No. ED 179 764d)

Department of Manpower and Immigration. (1979). Evaluation of the first generation of Choices in a field setting: October 1, 1977 to March 31, 1978. Unpublished manuscript, Occupation and Career Analysis and Development Branch.

Guerette, J. L. (1980). A survey of student attitudes toward the use of Choices. Paper presented at the World Seminar of Employment Counseling, Ottawa, Ontario.

Maritime Provinces Education Foundation. (1990). Evaluation of Choices. Halifax, Nova Scotia, Canada.

Occupational Training Council Counseling Committee. (1980). An evaluation of Choices. Unpublished manuscript, Author, British Columbia.

Pupil Personnel Services Branch. (1980). Choices: A review of progress to date and a proposal for future development. Unpublished manuscript, New Brunswick Department of Education.

Rankine, F., Barteaux, B., Briant, N., Jewsberry, A., LaPlante, A., MacIntosh, A., & Sweezey, J. (1978). Evaluation report: Computerized Heuristic Occupational Information and Career Exploration System (Choices). Unpublished document, Occupational and Career, Analyses and Development Branch, Department of Manpower and Immigration, Ottawa, Ontario.

Sloan, B., & Laird, D. (1982). Change from Choices: The effects of introducing computer-guidance counselling in British Columbia, Education Canada, 22, 22-25.

Turpin, J. A., Moore, B., Marshall, A., & Brown, H. (1983). Career counselling with Choices really helps. Unpublished manuscript, Alexander Galt Regional High School.

Evaluation and Research Reports (USA Version)

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.

Ham, T. L. (1982, December). CHOICES: Evaluation and analysis of effect on career concerns. Paper presented at the annual convention of the American Vocational Association, St. Louis, MO. (ERIC Document Reproduction Service No. ED 227 279)

Heppner, M. J., & Johnston, J. A. (1985). Computerized career guidance and information systems: Guidelines for selection. Journal of College Student Personnel, *26*, 156-163.

Kimberly, R. M. (1989). An examination of the effectiveness of the Choices computer assisted career guidance system with post secondary vocational business students (Doctoral dissertation, Texas A & M University, 1988). Dissertation Abstracts International, *49*, 2633A.

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.). Journal of Career Development, *17*, 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). A differential feature-cost analysis of seventeen computer-assisted career guidance systems: (technical report No. 10) (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.), A counselor's guide to career assessment instruments (3rd. Ed.) (pp. 373-379). Alexandria, VA: National Career Development Association.

Evaluation and Research Reports (Florida Version)

Florida Department of Education Bureau for Career Development. (1983). A pilot study of consistency between the printed and computer-delivered self-estimates used in Choices with high school students. Unpublished manuscript, Author, Tallahassee, FL.

Goldberg, L. A., Reardon, R. C., & Bonnell, R. O., Jr. (1980). Choices: In career planning. Florida Vocational Journal, *6(2)*, 17-19.

Johnson, K. L., Burkhead, E. J., & Clark, D. A. (1990). Choices with clients with profound hearing impairments. Journal of Career Development, *16*, 227-233.

Kennedy, W. F. (1986). Air Force pre-enlistment personnel job classification: A decision support system approach. Unpublished doctoral dissertation, Nova University, Ft. Lauderdale, FL.

King, F. J. (1981). Reduction of reading levels of counseling. Unpublished manuscript, Florida Department of Education, Bureau for Career Development Tallahassee.

King, F. J. (1982). A summary of the usefulness of Florida Choices in Florida CETA settings. Unpublished manuscript, Florida Department of Education, Bureau for Career Development, Tallahassee.

King, F. J., Smith-Dann, J., Schwallie-Giddis, P., Rogers, Z., & Kennedy, R. (1987). Evaluation of the ASVAB Career Development Program: Interim Report #1. Unpublished manuscript, Florida Department of Education, Bureau for Career Development, Tallahassee.

Pinder, F. A. (1982). Effectiveness of Choices in improving the career decision making process by university students. Dissertation Abstracts International, *44*, 0677A.

Pinder, F. A., & Fitzgerald, P. W. (1984). The effectiveness of a computerized guidance system in promoting career decision making. Journal of Vocational Behavior, 24, 123-131.

Sampson, J. P., Jr., & Norris, D. S. (1997). An evaluation of computer-assisted career guidance implementation effectiveness. Career Planning and Adult Development Journal, 13, 75-86.

Reardon, R. C., Bonnell, R. O., Jr. & Huddleston, M. R. (1982). Self-directed career exploration: A comparison of Choices and the Self-Directed Search. Journal of Vocational Behavior, 20, 22-30.

Thomas, G. R. (1983). A brief review of research regarding the validity of expressed versus assessed indicators of career interests. Unpublished manuscript. Florida Department of Education, Bureau for Career Development, Tallahassee.

Program Descriptions (Canadian Version)

Feron, D. J. (1982). Choices, the Nova Scotia experience: C-A guidance is here to stay. Education Canada, 22, 18-21.

France, H., & McDowell, C. (1982). A peer counselling model for computer-assisted counselling. Canadian Counsellor, 16, 206-212.

Jacobson, M. D., & Grabowski, B. T. (1982). Computerized systems of career information and guidance: A state-of-the-art. Journal of Educational Technology Systems, 10, 235-255.

Jarvis, P. S. (1978). Choices: The system and its applicability to school counseling. The School Guidance Worker, 33(3), 4-12.

MacFarlane, J. (1985). Choices: The perspective of participating students and staff, Year 1. Willowdale, Ontario: North York Board of Education. (ERIC Document Reproduction Service No. ED 277 714)

McDonald, P. S. (1985). "Choices" in a university setting. Canadian Counsellor, 19, 231-234.

Occupational and Career Analysis and Development Branch. (1981). Methods and materials of vocational counselling: Student manual. Ottawa, Ontario: Canada Employment Immigration Commission. (ERIC Document Production Service ED 218 449)

Stahl, L. (1983). Micros help choose careers. Computing Canada, 9(16), 20.

Thomas, R. E. (1980). Methods and materials of vocational counselling: Instructional manual (2nd ed.). Ottawa, Ontario: Nova Scotia Region Employment Service. (ERIC Document Reproduction Service No. ED 218 449)

Program Descriptions (State Versions)

Association of Computer-Based Systems for Career Information. (1994). 1994 directory of state-based career information systems. Alexandria, VA: ACSCI Administrative Office, National Career Development Association.

Mariani, M. (1996). Computer-assisted career guidance: Ride the rising tide. Occupational Outlook Quarterly, 39(4) 16-27.

Program Descriptions (Florida Version)

Ruane, R. (1979). The Choices program. Florida Vocational Journal, 4(5), 9.

Support Materials (Canadian and USA Versions)¹

Careerware: ISM Corporation. (1995). Choices Jr professional manual. Ottawa, Ontario: Author.

Careerware: ISM Systems Corporation. (1996). Customer satisfaction survey. Clayton, NY: Author.

Careerware: ISM Systems Corporation. (1997). Careerware news. Clayton, NY: Author.

Careerware: ISM Systems Corporation. (1997). Choices and Choices CT: Operating instructions. Clayton, NY: Author.

Careerware: ISM Corporation. (1997). Choices and Choices CT: Training manual. Ottawa, Ontario: Author.

Careerware: ISM Systems Corporation. (1997). Choices and Choices CT: Workshop training materials. Clayton, NY: Author.

Careerware: ISM Systems Corporation. (1997). Choices occupations database. Clayton, NY: Author.

Careerware: ISM Systems Corporation. (1997). Profile. Clayton, NY: Author.

Hicks, E. (Ed). (1997). Choices guide. Ottawa, Ontario: Careerware: ISM Corporation.

Hicks, E. & Kinnison, J. (1996). Medley of Choices. Ottawa, Ontario: Careerware: ISM Corporation.

Hicks, E. & Kinnison, J. (1996). Today's youth and tomorrow's careers: Facilitator's Guide. Ottawa, Ontario: Careerware: ISM Corporation.

Hicks, E. & Kinnison, J. (1996). Today's youth and tomorrow's careers: Parent's Notebook. Ottawa, Ontario: Careerware: ISM Corporation.

Hicks, E., & MacCallum, B. (1996). Choices professional manual. Ottawa, Ontario: Careerware: ISM Corporation.

Hicks, E. & MacCallum, B. (1996). Most frequently asked questions about Choices. Ottawa, Ontario: Careerware: ISM Corporation.

MacCallum, B. (1996). Choices at a glance. Ottawa, Ontario: Careerware: ISM Corporation.

Wolff, W. & Kinnison, J. (1996). Today's youth and tomorrow's careers. [videotape] Ottawa, Ontario: Careerware: ISM Corporation.

¹ Support materials for USA versions of Choices, Choices CT, Choices Jr, and Career Futures are similar to corresponding Canadian versions. System support materials are generally available for all state versions of Choices and Choices CT. For information on specific Choices support materials, contact Careerware: ISM Corporation.