NOTICE

THIS DOCUMENT HAS BEEN REPRODUCED FROM MICROFICHE. ALTHOUGH IT IS RECOGNIZED THAT CERTAIN PORTIONS ARE ILLEGIBLE, IT IS BEING RELEASED IN THE INTEREST OF MAKING AVAILABLE AS MUCH INFORMATION AS POSSIBLE.
SOFTWARE DEVELOPMENT ENVIRONMENTS:
A BIBLIOGRAPHY

William E. Riddle
Department of Computer Science
University of Colorado at Boulder
Boulder, Colorado 80309

CU-CS-184-80 June, 1980

This work was supported, in part, by grant NSG 1638 from NASA Langley Research Center.
SOFTWARE DEVELOPMENT ENVIRONMENTS: 
A BIBLIOGRAPHY

William E. Riddle 
Department of Computer Science 
University of Colorado at Boulder 
Boulder, Colorado 80309 
June 1980

Abstract: We give a bibliography on software development environments. The bibliography comes from a relatively random sampling of the literature and is not complete.

This work was supported, in part, by grant NSG 1638 from NASA Langley Research Center.
The cited articles in the following list concern software development environments, that is, collections of tools which provide some facilitating context in which development practitioners may carry out their work. The emphasis here is upon collections rather than individual tools—the latter is the subject of a companion bibliography, RSSM/103.

This bibliography is not complete. It cites literature which the author has uncovered in a relatively cursory sampling. It was augmented somewhat by using the bibliographies prepared as part of term projects by students in the author's graduate-level software engineering course.


D.I. Good. Constructing verified and reliable communications systems.  

R.M. Graham, G.J. Clancy and D.B. DeVaney. A software design and 
evaluation system.  

D. Hall, D. Scherrer and J. Sventek. A portable program development 
environment. Lawrence Berkeley Lab., Berkeley, California,  
(September 1979).

A.N. Habermann. A software development control system. Tech. Report,  
Dept. of Computer Sci., Carnegie-Mellon Univ., Pittsburgh, Pennsylvania,  
(1979).

A.N. Habermann. An overview of the Gandalf project. In Computer  

I. Hardy, B. Leong-Hong and D.W. Fife. Software tools: A building block  

P.G. Hebalkar and S.N. Zilles. Graphical representation and analysis  
of information system design. RJ2465, IBM Research Lab., San Jose,  
California, (January 1979).

P.G. Hebalkar and S.N. Zilles. TELL-A system for graphically representing  

P. Henderson and R.A. Snowdon. A tool for structured program development.  

P. Henderson, R.A. Snowdon, J.D. Gorrie and I.I. King. The TOPO System.  
Tech. Report 77, Computing Laboratory, Univ. of Newcastle upon Tyne,  
England, (September 1975).

on Software Engineering, SE-1, 1 (March 1975), 26-45.

M.T. Holden. The B-1 support software system for development and  
maintenance of operational flight software. Proc. NAECON 76,  
(1976), 250-262.

M. Hollowich and F. Borasz. The software design and verification system  
(SDVS): An integrated set of software development and management  
tools. TRW, Redondo Beach, California.

G. Huet, G. Kahn and P. Maurice. Environnement de programmation Pascal.  

Amsterdam, The Netherlands, (1980).

C.A. Irvine and J.W. Brackett. Automated software engineering through  
structured management. IEEE Trans. on Software Engineering, SE-3,  
1 (January 1977).

C.A. Irvine and J.W. Brackett. A system for software engineering. In  
Structured Analysis and Design, Infotech, Maidenhead, England,  
(October 1978). (Available as: TP079, Softech, Waltham, Massachusetts.)


J. Roder. Phoenix architecture. GTE Sylvania, Needham Heights, Massachusetts.

A.F. Rosene. Phoenix software development system overview. GTE Sylvania, Needham Heights, Massachusetts.


D. Teichroew and E.A. Hershey. PSL/PSA: A computer-aided technique for
structured documentation and analysis of information processing systems.

R.T. Teitelbaum. The Cornell program synthesizer: A microcomputer
implementation of PL/CS. Tech. Report, Dept. of Computer Sci.,

R.T. Teitelbaum and T. Reps. The Cornell program synthesizer: A syntax-
directed programming environment. Dept. of Computer Sci., Cornell
Univ., Ithaca, New York.

W. Teitelman. Toward a programming laboratory. Proc. First International
Joint Conf. on Artificial Intelligence, Washington, D.C., (May 1969).


J.A. Townley. The Harvard program manipulation system. TR-23-76,
Center for Research in Computing Technology, Harvard Univ., Cambridge,
Massachusetts, (1976).

B.C. Warboys, G.D. Pratten and R.A. Snowdon. Software development,
methodology and support. International Computers Ltd., Stoke-on-Trent,

A.I. Wasserman. Online programming systems and languages: A history and
appraisal. Tech. Report #6, Lab. of Medical Info. Sci., Univ. of
California, San Francisco, California, (1975).

A.I. Wasserman. USE: A methodology for the design and development of
interactive information systems. In Schneider (ed.), Formal Models
and Practical Tools for Information Systems Design, North-Holland

A.I. Wasserman. Information system development methodology. J. Am.

P. Wegner. The Ada language and environment. CS-56, Dept. of Computer

(articles on UNIX) Bell System Tech J., 57, 6 (July-August 1978).

PEBBLEMAN: Department of Defense Requirements for the Programming
Environment for the Common High Order Language. (January 1979).

STONEMAN: Requirements for Ada programming support environments.
Department of Defense, (February 1980).

Systems design laboratory preliminary design report. TN 3145, Systems
Architecture Div., Naval Elec. Lab. Center, San Diego, California,
(March 1976).