BIBLIOGRAPHY ON PROVING THE CORRECTNESS
OF COMPUTER PROGRAMS -- ADDITION NO. 1

by

Ralph L. London

Technical Report #104

December 1970
PREFACE

The continued research activity in proving the correctness of computer programs and the widespread interest in my previous program proving bibliography (London 1970a) encourage me to compile these additional updating citations. The selection criteria remain essentially unchanged; only the form of the citation is trivially changed. As before, I would be most interested in learning of corrections and additional citations to update matters.

This work is supported by the National Science Foundation under Grant GJ-583.
BIBLIOGRAPHY ON PROVING THE CORRECTNESS OF COMPUTER PROGRAMS--ADDITION NO. 1

by

Ralph L. London


Cooper, D. C., 1970. Programs for mechanical program verification, Machine Intelligence 6, (to appear). Also Computer Science Memorandum No. 13, University College of Swansea, July.


Lauer, P. E., 1970. Survey paper on program proving, Part 1, The constructive approach, March; Part 2, A functional approach, May; Part 3, An axiomatic approach based on a precondition function, May; Part 4, A relational approach, May; Research Memoranda 1-3,5, Department of Computer Science, Queen's University of Belfast.


Manna, Z., 1970c. The correctness of non-deterministic programs, Artificial Intelligence, 1, 1/2, Spring, pp. 1-26. Also Artificial Intelligence Memo No. 95, Stanford University, 1969.


Milner, R., 1969. The difficulty of verifying a program with unnatural data representation, Computer Science Memorandum No. 3, University College of Swansea, January.


Milner, R., 1970b. Algebraic theory of computable polyadic functions, Computer Science Memorandum No. 12, University College of Swansea, April.

Milner, R., 1970c. A formal notion of simulation between programs, Computer Science Memorandum No. 14, University College of Swansea, October.


Noonan, R. E., 1971. The "algebracizing" of programming, Ph. D. thesis to be submitted to Purdue University.


Weiner, M., 1969. The degree of unsolvability of the problem of equivalence of two program schemes, Computer Science Memorandum No. 9, University College of Swansea.


December 21, 1970