



Smithsonian  
*National Museum of American History*  
*Kenneth E. Behring Center*

## Guide to the Computer Standards Collection

NMAH.AC.0310

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1999

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## Collection Overview

<b>Repository:</b>	Archives Center, National Museum of American History
<b>Title:</b>	Computer Standards Collection
<b>Identifier:</b>	NMAH.AC.0310
<b>Date:</b>	1958-1979
<b>Extent:</b>	4.6 Cubic feet (10 boxes)
<b>Creator:</b>	International Standards Organization (ISO). Physical Sciences and Mathematics, Division of, NMAH, SI. Bemer, Robert M.
<b>Language:</b>	English

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## Administrative Information

### Acquisition Information

This material was donated to the Smithsonian Institution in June 1979 by the compiler, Robert W. Bemer.

### Provenance

Transferred from the Division of Physical Sciences and Mathematics, August 18, 1988.

### Processing Information

Processed by Craig A. Orr, archivist.

### Preferred Citation

Computer Standards Collection, 1958-1978, Archives Center, National Museum of American History.

### Restrictions

Collection is open for research.

### Conditions Governing Use

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## Biographical / Historical

This collection was put together by Robert W. Bemer during his involvement in setting language and data standards for the early computer industry. He accumulated a collection of material from organizations and individuals relating to computer standards.

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## Scope and Contents

Correspondence, reports, publications, meeting minutes, and bulletins of standards committees relating to ALGOL, COBOL, and the International Standards Organization (ISO) subcommittee on character sets (ANSI X3L2). The ALGOL records include correspondence to the ALGOL Maintenance Subcommittee (Association for Computing Machinery) and information about the International Algebraic Language, XTRAN source language for FORTRAN, and the SHARE ALGOL 60 translator. The COBOL records (1960-1969) include material from CODASYL, the European Computer Manufacturer's Association, SHARE, and the American Standards Association. The ISO records (1959- 1979) relate exclusively to the standards for data formats and codes and includes material from other standards organizations.

### Source

Bruce H. Bruemmer, *Resources for the History of Computing: A Guide to U. S. and Canadian Records* (Minneapolis, MN: Charles Babbage Institute, University of Minnesota, 1987), pp. 30 31.]

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## Names and Subject Terms

This collection is indexed in the online catalog of the Smithsonian Institution under the following terms:

### Subjects:

- ALGOL (Computer program language)
- Computer industry -- 1950-1980
- Computer programming -- 1950-1980
- Computers -- 1950-1980
- Computers -- History -- 1950-1980
- Computers -- Standards -- 1950-1980
- Standardization -- Computers -- 1950-1980

### Types of Materials:

- Business records -- 1950-2000
- Correspondence -- 1950-2000
- Minutes
- Pamphlets -- 1950-2000
- Reports -- 1950-1980

### Names:

- COBOL (Computer program language).
- Physical Sciences and Mathematics, Division of, NMAH, SI.

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## Container Listing

Box 1	ISO Code -- General History, Volume 1: thru May 1961
Box 2	ISO Code -- General History, Volume 2: thru January 1962
Box 3	ISO Code -- General History, Volume 3: thru September 1962
Box 4	ISO Code -- General History, Volume 4: thru April 1964
Box 5	ISO Code -- General History, Volume 5: thru August 1966
Box 6	ISO Code -- General History, Volume 6: thru April 1972
Box 7	ISO Code -- General History, Volume 7: thru March 1979
Box 8	<i>ALGOL Bulletin</i> : March 1959-August 1961
Box 8	<i>APIC Bulletin</i> : June 1960-October 1964
Box 8	<i>The Globotype Telegraph: A Recording Instrument . . . patented by David Mc. Callum</i> , London: Longman, Brown, Green and Longmans, 1856.
Box 8	Dolotta, T. A., <i>Functional Specifications for Typewriter-Like Time-Sharing Terminals</i> , reprinted from <i>Computing Surveys</i> , Volume 2, no. 1 (March 1970).
Box 8	Hopper, Grace Murray, <i>Electronic Data-Processing: Techniques, Methods Applications</i> , reprinted from <i>Control Engineering</i> , circa 1956
Box 9	ALGOL (XTRAN) -- History, Volume 1: May 1957- December 1960
Box 9	ALGOL (XTRAN) -- History, Volume 2: December 1960-October 1962
Box 9	ALGOL (XTRAN) -- History, Volume 3: ca. 1960- 1971
Box 10	COBOL--History, Volume 2: September 1960- February 1965
Box 10	COBOL--History, Volume 3: June 1965-June 1967
Box 10	COBOL--History, Volume 4: ca. 1964-1969