

# Guide to the John C. McDonald papers

**Dates:** 1959-1980, bulk 1960-1974

**Extent:** 1.25 linear feet, 1 record box

**Collection number:** X4122.2007

**Accession number:** 102708012

**Processed by:** Sara Chabino Lott, 2008. Processing funded by a grant from the Gordon and Betty Moore Foundation.

## Administrative Information

### Abstract

The John C. McDonald papers contain published transistor and integrated circuit material from 1959 through 1980.

### Access Restrictions

The collection is open for research.

### Publication Rights

The Computer History Museum (CHM) can only claim physical ownership of the collection. Users are responsible for satisfying any claims of the copyright holder. Permission to copy or publish any portion of the Computer History Museum's collection must be given by the Computer History Museum.

### Preferred Citation

[Identification of Item], [Date], John C. McDonald papers, Lot X4122.2007, Box [#], Folder [#], Computer History Museum

### Provenance

The John C. McDonald papers were donated to the Computer History Museum in June of 2007 by John C. McDonald.

### Repository

Computer History Museum  
1401 N. Shoreline Blvd.  
Mountain View, CA 94043  
USA  
650-810-1010  
[www.computerhistory.org](http://www.computerhistory.org)



**Biographical History**

John C. McDonald was born in San Bernardino, California in 1936. He received three degrees from Stanford University in Electrical Engineering. These were Bachelor of Science with Distinction in 1957, Master of Science in 1959 and Degree of Engineer in 1964 with a thesis in solid state physics. He began working at GTE Sylvania in 1959 where he worked as a design engineer until 1962. In 1963 he began working for Vidar Corporation and eventually became Vice President of Research and Engineering. He left Vidar in 1980 and spent 1981 as a lecturer in continuing engineering education at the University of California, Los Angeles. From 1982 to 1990 McDonald worked for Contel Corporation as Chief Scientist. In 1991 McDonald founded MBX Inc. and is still the president.

**Scope and Content of the Collection**

The John C. McDonald papers primarily contain published transistor and integrated circuit material from 1959 through 1980, with the bulk of the material from 1960 to 1974. The collection includes Harris Semiconductor data books, National Semiconductor Corporation catalogs, Fairchild Semiconductor and Signetics Corporation handbooks and manuals, Intel Corporation, National Semiconductor Corporation, and Fairchild Semiconductor product data files, as well as microprocessor and small computer system articles. The collection's only unpublished items are Stanford University solid-state electronics seminar syllabi from the mid-1960s. The collection is arranged in 6 series.

Series 1: Articles

Series 2: Catalogs

Series 3: Data books

Series 4: Handbooks and manuals

Series 5: Product data files

Series 6: Syllabi

**Indexing Terms**

McDonald, John C., 1936-

Integrated circuits

Transistors

Semiconductor industry

**Folder List**

<u>Box #</u>	<u>Folder Number</u>	<u>Title</u>	<u>Date</u>
<b>Articles</b>			
1	102708011	Microprocessors and small computer systems, collected articles	1974-02
<b>Catalogs</b>			
1	102707993	Allied electronics for everyone	1970
1	102707996	Digital integrated circuits	1971-05
1	102707995	MOS integrated circuits	1970-10
1	102708000	National transistors	1971-08
1	102707994	Preferred semiconductors and components from Texas Instruments	1969-09-01
<b>Data books</b>			
1	102707992	Harris CMOS microprocessor data book	1979
1	102707991	Harris linear and data acquisition products	1980
<b>Handbooks and manuals</b>			
1	102707997	Electronics circuit designer's casebook	ca. 1970
1	102707998	Fairchild Semiconductor linear integrated circuits applications handbook	1967
1	102708001	Ferroxcube: applying ferroxcube ferrite cores to the design of power magnetics	1966
1	102707999	General Electric transistor manual	1960
1	102708002	MOS silicon gate 2500 series metal gate 2000 and 2400 series	1972
<b>Product data files</b>			
1	102708004	Application data, miscellaneous companies	ca. 1962-
1	102708009	Fairchild Semiconductor application data	1961-1964
1	102708008	Fairchild Semiconductor technical articles and papers	1959-1962
1	102708005	Intel Corporation	1970-1972
1	102708003	Miscellaneous companies	1961-1962
1	102708007	National Semiconductor Corporation	1967-1969
<b>Syllabi</b>			
1	102708010	Stanford University solid-state electronics seminar syllabi	1966-1968