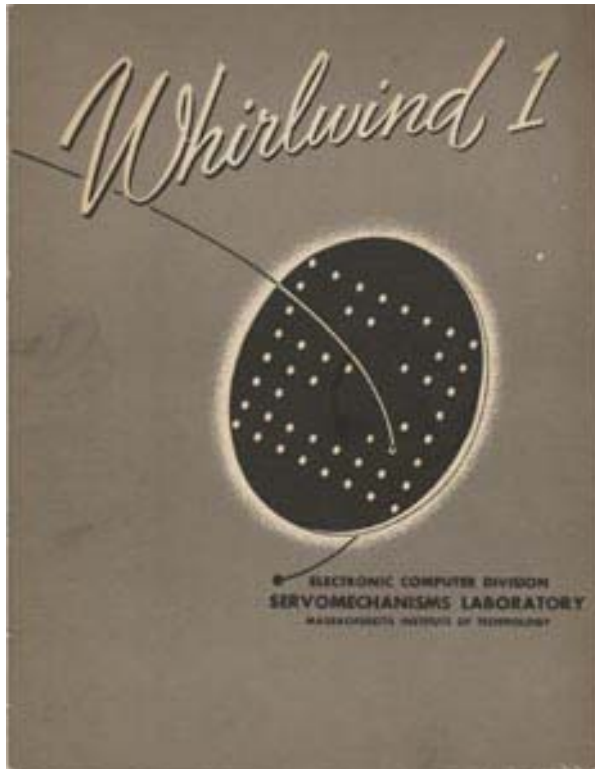


# Guide to the Collection of Massachusetts Institute of Technology Computing Projects Subject Collection



**Dates:** 1947-1994, bulk 1950-1975

**Extent:** 9 linear feet in 8 boxes

**Collection number:** X3495.2006

**Accession number:** 102634702

**Processed by:** Paula Little, March 2006



## Abstract

The Collection of Massachusetts Institute of Technology (MIT) Computing Projects is comprised of technical notes, reports, correspondence and miscellaneous documentation relating to the development of the Whirlwind, TX-0 and T-X2 computers as well as Project MAC (Multiple-Access Computer) at MIT. Included as well are a number of other technical reports relating to computing projects at MIT. The documents span 1947 to 1994.

## Administrative Information

### 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], [Item Date], MIT Computing Projects Subject Collection, Lot X3495.2006, Box [#], Folder [#], Computer History Museum.

### Provenance

The provenance is unknown for the MIT Computing Projects Subject Collection. The Collection was originally acquired from a variety of sources in the 1980s and 1990s when the Computer History Museum, then known as The Computer Museum, was located in Boston. At that time, all documents were arranged alphabetically by originating institution or company. Many of the Whirlwind documents most likely were donated to the Museum in 1982 as part of lot X115.82. In 2006 all the MIT materials that were shelved with the *Company Collection of Computing Manuals and Marketing Materials* were given the "found in collection" lot number of X3495.2006 and processed by Paula Little.

### Repository

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

## Scope and Content Note

The Massachusetts Institute of Technology Computing Projects Subject Collection at the Computer History Museum consists of technical reports and notes; guides and manuals; project summaries; schematics and design drawings; correspondence; assembly programs; computer log and maintenance books; and other miscellaneous documents chiefly from two project divisions within the University: Lincoln Laboratory and Project MAC (Multiple-Access Computer).

The collection is arranged into six record series: Project Summaries, Whirlwind and TX Computer Hardware, Whirlwind and TX Computer Software Applications, Technical Reports General, Theses, and General MIT Documentation. Some series have associated sub-series. Folders are arranged chronologically from earliest to latest date within each series.

Project Whirlwind was born in 1946 at MIT's Servomechanisms Laboratory to construct a high-speed digital computer. The most far reaching computing technology to emerge from Project Whirlwind was the random-access, magnetic-core storage element, the standard memory device for all high-speed computers for the next twenty years. Jay Forrester, who had directed the intellectual course of the Project, was granted a patent for a Magnetic Core Memory Device in 1956.

Another Project Whirlwind development was one of the earliest uses of a visual display as a computer input/output device based on a cathode ray tube (CRT) monitor. With the use of a "light gun" an individual could interact with the CRT display from which the computer could capture, store and use this new user input.

Project Whirlwind laid the foundation for the subsequent development of technologies behind the TX-0 and TX-2 computers. The documentation dealing with Project Whirlwind and its subsequent projects comprises the majority of the collection, approximately 6 linear feet, spanning 1948 through 1970. Technical notes and reports from the Whirlwind, TX-0 and TX-2 computers, focus on the various creation, design and programming components.

Project MAC was formally established in 1963 by MIT. The acronym for Project MAC was derived from Machine-Aided Cognition, the broad objective, and Multiple-access Computer, the principle tool for obtaining this objective. Project Mac's primary goal was the development of the Compatible Time-Sharing System (CTSS). The operating system Multics (Multiplexed Information and Computing Service) was created jointly by Project Mac and a number of partners. The commercial version would become known as UNIX.

Project MAC's time-sharing operating system applications, which ran on various hardware platforms, including the IBM 709, 7090, 7094 and the DEC PDP-1, span the late 1950s through the early 1980s. The documentation, about 1.5 linear feet, consists primarily of Project MAC technical reports.

Approximately two linear feet of the collection deals with General MIT Documentation, this includes staff rosters, promotional materials, internal and external correspondence concerning various aspects of Projects Whirlwind and MAC, as well as subsequent associated technology developments.

Unusual items in the collection document the first computer-written Western drama script for television (box M4). The program, *Tomorrow: The Thinking Machine* aired October 26, 1960 on

CBS and highlighted the TX-0 computer and the technological advancements of Artificial Intelligence developed by MIT.

## Arrangement

The Collection is organized into 6 record series:

Project Summaries (Box M1)	1951-1974
Whirlwind and TX Computer Hardware (Boxes M1-M4)	1947-1975, bulk 1950-1970
• Manuals/Guides	1950-1965
• Technical Reports/Notes	1948-1972, bulk 1950-1965
○ Whirlwind	1948-1959
○ TX-0, TX-1	1954-1966, 1972
○ TX-2	1954-1958
• Schematics/Design Drawings	1947-1965
• Logs/Maintenance Manuals	1952-1954
• Miscellaneous	1952-1974
Whirlwind and TX Computer Software (Boxes M4-M5)	1950-1973
• Manuals/Guides	1954-1973
• Technical Reports/Notes	1950-1972, 1982
Technical Reports General (Boxes M5-M7)	1951-1987
Theses (Box M7)	1950-1974
General MIT Documentation (Box M8)	1948-1994
• Conference Notes	1949, 1957, 1967, 1970
• Correspondence	1950-1963
• Promotional Material	1975-1994
• Other MIT Department Project Reports/Memos	1960-1972
• Miscellaneous	1948-1987

## Indexing Terms

Massachusetts Institute of Technology.  
 Massachusetts Institute of Technology. Artificial Intelligence Laboratory.  
 Massachusetts Institute of Technology. Computation Center.  
 Massachusetts Institute of Technology. Dept. of Electrical Engineering and Computer Science.  
 Massachusetts Institute of Technology. Laboratory for Computer Science.  
 Lincoln Laboratory—Massachusetts.  
 Project MAC (Massachusetts Institute of Technology).  
 Whirlwind computer—Massachusetts.  
 Computer input-output equipment.  
 Computer science. Artificial intelligence.  
 Computer science. Computer architecture and design.  
 Compatible time-sharing system (Electronic computers).  
 Time-sharing computer systems.  
 PDP computers.

Mitre Corporation.  
Digital Equipment Corporation.  
International Business Machines Corporation.  
Engineering Research Associates.

## Folder List

MIT Computing Projects

X3495.2006

<u>Folder Number</u>	<u>Title</u>	<u>Date</u>
<b>Project Summaries</b>		
<b>Box M1</b>		
102649275	Project MAC Progress Report VI July 1968 to July 1969	1969
102649274	Project MAC Progress Report XI July 1973-July 1974	1974
102652782	Project Whirlwind Summary Report No. 35 Third Quarter 1953	1953
102652783	Project Whirlwind Summary Report No. 38 Second Quarter 1954	1954
102652781	Project Whirlwind Summary Report No.37 First Quarter 1954	1954
102652780	Whirlwind I Checkout Progress Report	1964-01
102652779	Whirlwind I Moving, Reassembly and Checkout Progress Report	1963-07
102665153	Whirlwind I: A high-speed Electronic Digital Computer promotional brochure	1951
<b>Hardware: Manuals/Guides</b>		
<b>Box M1</b>		
102652801	A Short Guide to Coding: Using Whirlwind I Code of October 1949 With revisions through May 1951	1951-05
102652800	Assorted Descriptive Material Concerning Whirlwind I Volume II: Introduction to Coding	1950-11-07
102652810	Coding for the MIT-IBM 704 Computer	1957
102652807	Comprehensive System Manual: A System of Automatic Coding for the Whirlwind I Computer	1955-12
102652809	Comprehensive System Manual: A System of Automatic Coding for the Whirlwind I Computer	1955-12
102652808	Comprehensive System Manual: A System of Automatic Coding for the Whirlwind I Computer	1955-12
102652804	Comprehensive System Manual: I. Introduction to Programming	1954-04
102652814	Computation Center Procedures Handbook: TX-0 Instruction Set, Numerical Solutions Differential Equations, FAP Manual, FORTRAN II Version, 7094 Operations Manual	1960-11
102652806	Memory Test Computer: Programming Manual	1954-04-23
102652816	Memory Test Computer: Programming Manual Correction	1954-09-24
102652805	Project Whirlwind Report R-221 Whirlwind Operation Logic	1954-05-01
102652803	Project Whirlwind Training Program Material	1952
102652802	Report R-196 Programming for Whirlwind I	1951-06-11
102652799	Summary of the Share Assembly Program for the IBM 704 Computer	1958-03-21
102652811	The MTC Memory Test Computer Service Manual	1957-04-15
102652812	Whirlwind Programming Manual	1958-10-31
102652813	Whirlwind Programming Manual	1958-10-31
<b>Box M2</b>		
102652785	Operating Manual for the ESL Display Console	1965-03-09
102652792	TX-0 Instruction Code	1961-06-12
102652787	TX-0 Instruction Set	1962 ca.

<u>Folder Number</u>	<u>Title</u>	<u>Date</u>
<b>Hardware: Manuals/Guides</b>		
<b>Box M2</b>		
102652791	TX-2 Technical Manual Lincoln Manual No. 44 Volume 2	1961-06
102652789	TX-2 Technical Manual Lincoln Manual No. 44 Volume 3	1961-07
102652788	TX-2 Users Handbook Lincoln Manual No. 45	1961-07
<b>Hardware: Technical Reports/Notes - Whirlwind</b>		
<b>Box M2</b>		
102652830	Boolean algebra technical reports	1952
102652821	Engineering Memorandum E-364 A Program for Translation of Mathematical Equations for Whirlwind I	1954-01
102665764	Flip flop balance checking in WWI (Project Whirlwind)	1950-02-23
102652843	In-out units technical reports 1954	1954
102652842	Input and output technical reports 1953	1953
102652817	List of Memos on Programming and Coding for Whirlwind I	1952-1956
102652818	List of Memos on Programming and Coding for Whirlwind I	1952-1956
102665773	Magnetic drum system, WWI	1958-06-30
102652841	Misc Whirlwind technical reports 1952	1952
102652844	Misc Whirlwind technical reports 1954	1954
102652820	Misc. Whirlwind technical reports 1950	1950
102652847	Modifications to Whirlwind I Utility System	1958-09-29
102665816	Operation of magnetic drums with WWI	1951-12-27
102652838	Outlook for Electronic Digital Computers - The Scope of the Engineering Involved	1949-02-24
102652827	Project Whirlwind R-232 Information sorting in the Application of Electronic Digital Computers to Business Operations	1954-05-24
102652825	Project Whirlwind R-90-1 The Binary System of Numbers	1952-02-29
102652826	Project Whirlwind Report R-127-1 Whirlwind I computer Block Diagrams	1952-05
102652793	Project Whirlwind Report R-215 Standard Test Equipment	1952-09-01
102652823	Report R-192 A Coincident-Current Magnetic Memory Unit	1950-09-08
102649273	Report R-217 Design of Low-Power Pulse Transformers Using Ferrite Cores	1952-08-29
102652828	Testing Notes on the Whirlwind I	1948
102652837	The Consolidated Test Program T-3432 with portions of Flexowriter code and character sets with copies of tape program	1954
102652824	The Digital Computer Laboratory of M.I.T. Paper R-199	1951-09-20
102652836	The New Whirlwind Utility Control Program: A revision on the Drum Group II Program (memo LW-9)	1959-01-20
102652832	Whirlwind FST 2 System "A" Cabling notes	1950-1960
102652835	Whirlwind FST 2 System "B" Cabling notes	1950-1960
102652834	Whirlwind FST 2 System "C" Cabling notes	1950-1960
102652833	Whirlwind FST 2 System "D" Cabling notes	1950-1960

<u>Folder Number</u>	<u>Title</u>	<u>Date</u>
<b>Hardware: Technical Reports/Notes - Whirlwind</b>		
<b>Box M2</b>		
102652822	Whirlwind I Computer Notes on Predicted Time - Requests: Component Standards	1955-1956
102652846	Whirlwind I Test Storage Modification	1959-03-06
102652839	Whirlwind operations reports	1951
102652829	Whirlwind Subroutine Specification: AC Print, Octal Number, Sign, Single Column	1951-11-13
102652845	Whirlwind tapes technical reports 1955	1955
102665765	WWI rack terminal assignment schedules and WWI wiring schedules	1954-04-20
<b>Hardware: Technical Reports/Notes - TX-0, TX-1</b>		
<b>Box M3</b>		
102648865	A graphical Input Device for the TX-0 Computer	1955-1965
102648863	A TX-0 IBM 7094 Data link	1965-09-07
102648864	Autograph: <read in mode>	1972-04-14
102652815	Design Consideration for an Experimental Computer TX-1	1955-1965
102649537	MIDAS technical reports 1962-1963	1962-1963
102648862	Misc TX-0 technical reports 1962	1962
102648858	MOUSE technical reports	; 1960-04-22
102648876	Routines & Subroutines for the TX-0 or TX-2 Computer	1966 ca.
102648877	Subroutines and Macros for the TX-0?	1963 ca.
102648875	Test results for Magnetic Tape print-out Reports for TX-0?	1954-1958
102648866	Testing Procedures for TX-0 plug-in-units & TDCM PIU	1955-1965
102648857	Transistor life technical reports	; 1960-04-14
102648852	TX-0 Direct Input Utility System	1957
102648859	TX-0 programming reports 1959	1959
102648860	TX-0 programming reports 1960	1960
102648867	TX-0 programming technical notes 1955-1965	1955-1965
102648874	TX-0 Subroutine Library	1959-1961
102648868	TX-0 technical reports 1955-1965	1955-1965
102648853	TX-0 Technical Reports 1956	1956
102648854	TX-0 technical reports 1958	1958
102648861	TX-0 technical reports 1961	1961
102648855	Various compiled documents on the operation and programming of the TX-0	1958-1966
102652318	Various compiled documents on the operation and programming of the TX-0	1959-1961
102648856	Various compiled documents on the operation and programming of the TX-0	1959-1965

**Hardware: Technical Reports/Notes - TX-2**

**Box M3**



<u>Folder Number</u>	<u>Title</u>	<u>Date</u>
<b>Hardware: Technical Reports/Notes - TX-2</b>		
<b>Box M3</b>		
102648871	A Discussion of the Circuitry Used in the Lincoln TX-2 Computer	1958-10-01
102648869	Lincoln TX-2 Computer	1956-09-25
102648870	Misc TX-2 technical reports 1957	1957
102648872	Misc TX-2 technical reports 1958	1958
102648873	Notes on Simultaneous Tests involving Plate Current and Filament Current	1954 ca.
<b>Hardware: Schematics/Design Drawings</b>		
<b>Box M4</b>		
102648878	A Functional Description of the TX-0 Computer	1956-11-20
102648883	Drawing Lists for TX-0?	1955-1962
102648887	MARK II Light Pen Schematics including output amplifier, input amplifier and wiring diagram	1961-1965
102648885	Misc design drawings 1953	1953
102648882	Operation of In-out Control Project Whirlwind diagrams for the construction of the in-out control unit	1951-08-30
102648879	Operation of the Indicator Lights and Intervention Registers Whirlwind	1953-05-01
102649483	Proposed Operating Procedure Whirlwind Operating Diagram with photos as design elements	1950-1960
102648884	Readout and Digit-Plane Driving Systems - P.B. No. 62	1953-05-28
102648909	Tape Control for the TX-0	1960 ca.
102648886	The Construction of Memory Planes for the MTC Memory Whirlwind	1953-06-10
102648880	The Photoelectric Conversion Program collection of diagrams for understanding the program	1951-06-22
102648888	TX-0 Timing Cycle	1959-08-02
102648881	Whirlwind I Computer Block Diagrams Vol 2 of 2	1947-09-04
102649482	Whirlwind Input/Output Diagram with photos as design elements	1950-1960
<b>Hardware: Logs/Maintenance Manuals</b>		
<b>Box M4</b>		
102648908	Monthly Maintenance of Motors & Generators WWI Power Room	1953-1954
102648907	Six Month Maintenance of Protective Devices & Controls WWI Power Room	1953-1954
102648906	Weekly Maintenance of Motors & Generators WWI Power Room	1952-1954
<b>Hardware: Miscellaneous</b>		
<b>Box M4</b>		
102648905	"Jack Dennis' notes of PDP-1 OR TX-0 - per Gordon Bell"	1965-1972
102648891	Policy on Outside Users of Whirlwind I	1952-09-25
102648892	Press Releases, Technical Notes, design drawing, computer printout of script, newspaper article and schematic of program for the TX-0 computer featured on CBS-TV which produced the first computer-written Western drama	1960

<u>Folder Number</u>	<u>Title</u>	<u>Date</u>
<b>Hardware: Miscellaneous</b>		
<b>Box M4</b>		
102648890	Procedure in Case of Failure of Commercial Power	1955-02-07
102648893	TX-0 Computer History draft copy and published copy	1974-10-01
102663965	Various design drawings and schematics from MIT	1951-1961
102648889	Various Documents on the Re-Sale of the TX-0 and Whirlwind Computers	1974-1975
102663966	Various technical notes from/about MIT and ERA technologies and parts	1950-1960
102663964	Various technical papers and notes on the Whirlwind computer	1955
<b>Software: Manuals/Guides</b>		
<b>Box M4</b>		
102648896	COMIT Programmers Reference Manual	1963-11
102665122	COMIT Programmers Reference Manual: An Outline of Conventions	1961-09
102648904	Digital Computers: Advanced Coding Techniques	1954
102665152	LISP 1.5 Programmer's Manual	1962-08-17
102648895	MULTICS Programmer's Manual Part II - Reference Guide to MULTICS	1973-11-30
102652317	Project MAC: The OPS-1 Manual	1964-05
102665120	The BCPL Reference Manual for TX-2	1969-05-06
102652786	The Compatible Time-Sharing System: A Programmers Guide; The M.I.T. Computation Center	1963
102665154	The Multiplexed information and Computing Service: Programmers' Manual	1970-03-18
102648894	The Multiplexed information and Computing Service: Programmers' Manual	1973-09-30
<b>Software: Technical Reports/Notes</b>		
<b>Box M5</b>		
102648902	A Local Front End for Remote Editing	1982-02-25
102649419	An Introduction to COMIT Programming	1963-11
102648899	BUYTIM: A System for CTSS Resource Control	1969-07
102652319	CTSS Console Routine and Notes	1963-1965
102652574	Notes on the LISP source language	1958-1968
102652321	Programming Semantics for Multiprogrammed Computations	1966-03
102648898	Project MAC CTSS Technical Notes	1965-03-15
102648900	Project MAC OPL-I An Open Ended Programming System within CTSS	1964-04-30
102648897	The Classroom Information and Computing Service	1971-01-11
102665121	The LEAP Language and Data Structure	1967-11
102652320	The MIDAS Assembly Program	1960-1970
102648901	Use of MULTICS handwritten note	1972-1974
102648903	Various Program Routines - computer printed and handwritten	1950-1960
<b>Technical Reports General</b>		

<u>Folder Number</u>	<u>Title</u>	<u>Date</u>
<b>Technical Reports General</b>		
<b>Box M5</b>		
102649303	A Magnetic-Matrix Switch and its Incorporation into a Coincident-Curent Memory	1952-06-06
102665815	A partial list index of reports, theses, engineering notes, articles and memoranda on various aspects of the magnetic-core activity, 1950-1962	1956-07-16
102649252	Digital Computers: Business Applications	1954
102665767	Discussion of magnetic drum systems at Engineering Research Associates (ERA)	1951-1952
102649302	Misc general technical reports 1951	1951
102665768	Misc general technical reports 1952	1952
102649305	Misc general technical reports 1952	1952
102649307	Misc general technical reports 1953	1953
102665766	Misc technical reports 1951	1951
102652840	Notes on the Logical Design of Digital Computers and on Special Coding Techniques	1951
102649259	Pulse Responses of Ferrite Memory Cores	1954-09-20
102649250	Report R-210 Computer Program Synthesis Based on Statistical Communication Theory	1952-09-28
102649253	Report R-220 Analysis ad Design of a Digital-to-analog Decoder	1952-12-01
102664327	Report S-10 Description of the MIT general purpose control panels for model II card-programmed calculator	1952-12-15
102649306	Statistical filter technical reports 1953	1953
102649310	Switch for Register Selection in a Magnetic-Core Memory	1954-05-24
102649258	technical reports for 1953	1953
102665769	technical reports for 1953	1953
102649308	technical reports for 1953	1953
102664325	technical reports from 1953	1953
102649304	Theory of semiconductors technical reports 1952	1952
102649309	Various compiled Biweekly Technical Reports to Jay Forrester from the Scientific and Engineering Computation Group	1953
102649311	Various compiled Biweekly technical reports to Jay Forrester from the Scientific and Engineering Computation Group	1954
<b>Box M6</b>		
102649255	A Multi-User Computation Facility for Education and Research	1965 ca.
102649438	A Study of the Memory Requirements of Sequential Switching Circuits	1955-03-14
102649232	An Integrated Hardware-Software System For Computer Graphics in Time-Sharing	1968-12
102649435	An Introduction to Digital Computer Programming with Emphasis on the ADD-1000 UNIVAC Spaceborne Computer	1963-03
102649254	Analog-Digital Computers for Real-Time Simulation	1961-06
102649256	ARGUS	1965 ca.
102649237	Automatically Programmed Tools Volume I General Description of the APT System	1959 ca.

<u>Folder Number</u>	<u>Title</u>	<u>Date</u>
<b>Technical Reports General</b>		
<b>Box M6</b>		
102665771	Change of interlace on the buffer drum	1955-05-19
102649251	Character-Generator Memory for the Low-Cost Display Terminal	1966-06-12
102649260	Crystallographic and Magnetic Properties of Several Spinel Containing Trivalent Manganese	1958-05-12
102649439	Digital Data technical reports 1955	1955
102649231	ESL-TM-316 A Low-Cost Graphic Display for A Computer Time-Sharing Console	1967-07
102649312	Ferrite Cores for Computer Memories Reprint LLR-1	1954-10-21
102649261	General technical reports 1965	1965
102649314	Logical networks technical reports 1954	1954
102649442	Logical structure of digital computers technical reports	1955
102665813	Machine perception of three-dimensional solids	; 1965-05-24
102649423	Magnetorstriction in Ferrites Possessing a Square Hysteresis Loop	1955-01-17
102665774	Memory Methods	1958-04-01
102649313	Misc general technical reports 1954	1954
102649440	Misc general technical reports 1955	1955
102649443	Misc general technical reports 1955	1955
102649437	Misc general technical reports 1956	1956
102649436	Misc general technical reports 1957	1957
102649434	Misc general technical reports 1958	1958
102649441	Misc technical reports 1955	1955
102665778	Misc technical reports 1959	-10; 1959-11
102665779	Misc technical reports Dec 1959	1959-12
102665777	Misc technical reports from 1959	-05; 1959-06
102665780	Misc technical reports Jan-Feb 1960	-01; 1960-02
102665781	Misc technical reports Mar-May 1960	-03; 1960-05
102649433	Pattern Recognition with an Adaptive Network	1960-04-26
102649230	Project MAC Programming Semantics for MultiProgrammed Computations	1965-12
102649418	Sketchpad: A Man-Machine Graphical Communication System Technical Report No. 296	1963-01-30
102665814	Technical reports 1965-1966	1965-1966
102649315	technical reports for 1954	1954
102649422	Technical reports for 1957	1957
102665775	technical reports from 1959	1959-01
102665776	Technical reports from 1959	-02; 1959-03
102649421	The Application of a High-Speed Digital Computer to the Present-Day Air Traffic Control System	1956-05-21
102665812	The FX-1 magnetic film memory	1962-08-27
102665772	Transistor core memory	1956-11-13
102665770	Utility control program	1954-11-22

<u>Folder Number</u>	<u>Title</u>	<u>Date</u>
<b>Technical Reports General</b>		
<b>Box M7</b>		
102649236	Contact Sensors for Dexterous Robotic Hands	1986-06
102649263	General technical reports 1981	1981
102649267	General technical reports 1986	1986
102649262	Jokes and the Logic of the Cognitive Unconscious	1980-11
102649266	Misc general technical reports 1985	1985
102649268	Misc general technical reports 1987	1987
102649264	Picking Parts out of a Bin	1983-10
102649420	Speech Analysis/Synthesis Based on Perception	1984-11-05
102649432	Technical reports from 1975	1975
102649238	The Design of a Multiprocessor Development System	1982-09-01
102649265	Vision by Man and Machine: How the brain processes visual information may be suggested by studies in computer vision (and vice versa)	1984-03
<b>Theses</b>		
<b>Box M7</b>		
102649241	A Method of Test Checking an Electronic Digital Computer	1950-01-14
102649243	A New Approach to Pattern Recognition	1959-05-25
102649248	A Routine to Solve Diode-Source Networks	1960-05-10
102649249	Compatible Operation of two Time-Shared Computer Systems	1965-02
102649247	Computer Detection of Vertices in Picture of Nuclear Reactions	1960-09
102652315	Deadlock-Free Sharing of Resources in Asynchronous Systems	1970-09
102649242	Describing Handwritten Characters	1960-05-23
102652313	Design of a Low-Cost Character Generator for Remote Computer Displays	1966-02
102649240	Electronic Selection and Control of Read-Record Heads of Magnetic-Tape Units	1952-12-15
102663255	Ferroelectrics for Digital Information Storage and Switching	1952
102649246	Generation of error-detecting and Error-correcting codes	1959-05-25
102649233	Making Computers Keep Secrets	1974-02
102649235	Natural Language Input for a computer Problem Solving System	1964-06-03
102652312	OCAS- On-line Cryptanalytic Aid System	1966-05
102649245	Preliminaries to Machine Analysis of the Handwritten Letter	1960-05
102652316	Procedures as a Representation for Data in a Computer Program for Understanding Natural Language	1971-02
102649481	Programming System for the TX-0 Computer	1960-08-22
102649234	SIR: A Computer Program for Semantic Information Retrieval	1964-04-08
102652314	Sketchpad, A Man-Machine Graphical Communication System	1963-01
102649239	Summary of Treatment of Digital Control Systems and Numerical Processes in the Frequency Domain	1953-07-01
102652310	Symbolic Mathematical Laboratory	1967-01

<u>Folder Number</u>	<u>Title</u>	<u>Date</u>
<b>Theses</b>		
<b>Box M7</b>		
102649244	The Design of an Array Processor for Pattern Recognition Studies	1960-05-20
102652311	Traffic Control in a Multiplexed Computer System	1966-07
<b>General MIT Documentation: Conference Notes</b>		
<b>Box M8</b>		
102649279	Example of Coding Procedure	1949-02-14
102649277	Record of the Project MAC Conference on Concurrent Systems and Parallel Computation	1970
102649276	Symposium on Operating System Principles: An Implementing of a Multiprocessing Computer System	1967-10
102649278	The Lincoln TX-2 Computer	1957-04-01
<b>General MIT Documentation: Correspondence</b>		
<b>Box M8</b>		
102663961	Various correspondence & associated purchase orders to/from MIT and ERA	1952
102649292	Various correspondence from DECUS Digital Equipment Computer Users Society to MIT staff/departments	1963
102649694	Various Correspondence from Private Companies to M.I.T. department staff/groups	1959-1960
102663959	Various correspondence to MIT from ERA	1951
102663963	Various correspondence to/from MIT and ERA	1954
102663962	Various correspondence to/from MIT and ERA with associated purchase orders	1953
102649281	Various Internal Correspondence 1959-1960	-12-23; 1960
102649282	Various Inter-University Correspondence, majority from the Servomechanisms Lab	1957-1958
<b>General MIT Documentation: Promotional Material</b>		
<b>Box M8</b>		
102663960	Advertisement for The Boston Globe using the image and description of MIT's Whirlwind Computer	1985-1995
102649291	Correspondence from the MITRE Corporation about MIT	; 1981; 1982
102663967	Corrspondence to/from Gordon Bell & Jack Gilmore in regards to Whirlwind materials for the Digital Museum	1981
102649284	MIT Laboratory for Computer Science: Project MAC 25th Anniversary	1988
102649283	Patents & Licenses Through 1994	1995
102649293	Selected Technologies Transferred from MIT Lincoln Laboratory	1992-04
102649294	Spin-off Companies from MIT Lincoln Laboratory	1993-04
102649295	Technology Transfer Volume One May 1990	1990-05
102649290	Whirlwind 25th Anniversary	1975; 1976
<b>General MIT Documentation: Other MIT Department Project Reports/Memos</b>		
<b>Box M8</b>		

<u>Folder Number</u>	<u>Title</u>	<u>Date</u>
<b>General MIT Documentation: Other MIT Department Project Reports/Memos</b>		
<b>Box M8</b>		
102649289	A Demonstration Hybrid Computer for Real-Time Flight Simulation	1965-06
102649287	Apollo Guidance, Navigation and Control: MIT's Role in Project Apollo Final report on Contracts NAS-9-153 and NAS 9-4065 Volume 1 Project Management , Systems Development, Abstracts and Bibliography	1971-10
102649288	Apollo Guidance, Navigation and Control: MIT's Role in Project Apollo Final report on Contracts NAS-9-153 and NAS 9-4065 Volume III Computer Subsystem	1972-08
102649286	Engineers' Guide to ICES COGO I	1967-08
102649285	General ICES Integrated Civil Engineering System Information	1960-1970
<b>General MIT Documentation: Miscellaneous</b>		

<b>Box M8</b>		
102665818	3 interoffice memorandums	1957-1963
102665817	Abstracts - scientific and engineering papers 1956-1960	1960-06
102649299	Charles Babbage - Scientist and Philosopher: Excerpts describing his work on Mechanical Computation and his Reflections on Human Behavior	1952-01-31
102649280	Computing Projects Staff listings/organizational charts	1948-1951
102649298	Forecast for Military Systems using Electronic Digital Computers	1948-09-17
102649270	Publications Bibliography	1987-06
102649297	Standards & Standard Committee Notes Computation Book compiled with handwritten notes, departmental notes, memoranda	1951-1952
102649296	Visit to General Electric, Schenectady, February 20, 1953	1953-02-24
102649300	Visits with USC/ISI, Xerox Research, Stanford re: Displays	1973-05-23