



Guide to the Fortran Standardization records

Creators: Jeanne Martin, Loren Meissner, and Van Snyder

Dates: 1957 - 2015, bulk 1966 - 1999

Extent: 17.5 linear feet, 14 records cartons

Collection numbers: X7859.2017, X7860.2017, X7861.2017

Catalog number: 102797909

Collection processed by: Pennington Ahlstrand, July 2020

Finding aid prepared by: Pennington Ahlstrand, July 2020 and Elena Colón-Marrero, August 2020

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Abstract

The Fortran Standardization records are primarily made up of the documents used by groups creating and proposing standards for the Fortran computer programming language as used in the United States (ANSI) and internationally (ISO). This collection also includes Fortran publications such as a near-complete run of the newsletter Fortran Forum, and textbooks and other monographs about Fortran. These records are from Loren P. Meissner, Jeanne Martin, and Van Snyder.

Administrative Information

Access Restrictions

The collection is open for research.

Publication Rights

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Languages

English

Preferred Citation

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Note: For this collection, the lot number citation will either be X7859.2017, X7860.2017, or X7861.2017

Immediate Source of Acquisition

Gifts of Loren Meissner, Jeanne Martin, and Van Snyder, 2016.

Repository

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Biographical/Historical Note

Fortran Standardization: By the early 1960s, many computer vendors had implemented a Fortran (from FORMula TRANSlation) compiler which included special features not found in the original IBM compiler.

American National Standards Institute (ANSI) began a project of standardizing many aspects of data processing, including standardizing programming languages, so a committee was formed to develop a standard for Fortran. The first standard was adopted in 1966.

The language continued to develop after 1966, along with general knowledge in the areas of programming, language design, and computer design. A new version-- Fortran 77-- was adopted in 1978

by ANSI. The International Standards Organization (ISO) began to mature in the computing language area and subsequently adopted Fortran 77 as an international standard.

The next revision, Fortran 90, was an ISO standard first, and then adopted, word for word, as an ANSI standard. Fortran 95 is a minor revision to Fortran 90.

Jeanne Martin was Convenor of ISO WG5 from 1982 until 1994, and she performed a leading role in the inclusion of International concerns during Fortran language development.

Loren P. Meissner served for more than 20 years as a U.S. delegate to the international committee for Fortran language standardization. Meissner produced Fortran community newsletters from 1975 to 2015.

Van Snyder has served as a delegate to and officer of the ANSI and ISO Fortran committees since 1997.

Scope and Content of the Collection

The Fortran Standardization records consist of meeting documents, agendas and minutes. Three collections have been aggregated together as Martin, Meissner and Snyder gave their collected materials to CHM to document the ANSI/ ISO standardization process for Fortran. Some material had originally been collected by Frank Engel and John Reid.

Arrangement

The collection is arranged into three series:

Series 1, Loren P. Meissner papers, 1961-2015

Series 2, Jeanne Martin papers, 1957-2003

Series 3, Van Snyder papers, 1978-1991

This collection has been maintained in its original order. Unless otherwise noted, dates are inclusive.

Indexing Terms

American National Standards Institute

Fortran (Computer program language)

International Organization for Standardization

Martin, Jeanne

Meissner, Loren P.

Snyder, W. Van

Collection Contents

Series 1., Loren P. Meissner papers, 1961-2015

This series consists of material from Loren Meissner and is organized into two subseries.

Subseries 1.1 Fortran newsletters and SIGPLan award

Subseries 1.2 Published books and reports

Subseries 1.1, Fortran newsletters, 1975-2015

This subseries consists of Meissner's For_Word (1975 - 1981), Fortec Forum (1982 – 1984), and Fortran Forum (1984 – 2015) newsletters. Also included is an award Meissner received for his work as editor for the newsletters.

Subseries 1.2, Published books and reports, 1961-2011

This subseries consists of 30 textbooks, proceedings and reports related to Fortran and Fortran standardization.

Series 2, Jeanne Martin papers, 1957-2003

This series consists of material from Jeanne Martin and is organized into two subseries.

Subseries 2.1 Standards meetings materials

Subseries 2.2 Published books

Subseries 2.1, Standards meetings materials, 1962-2003

This subseries consists of J3 ANSI (American) and ISO (international) meetings.

Subseries 2.2, Published books, 1957-1997

This subseries consists of 16 published books (14 by IBM).

Series 3, Van Snyder papers, 1978-1991

This series consists of material from Van Snyder and is reports that document the “crisis” during transition from Fortran 77 to Fortran 90 with the “August 1988 Compromise,” and includes copies of the official Fortran 77 and Fortran 90 standards.

	<u>Catalog Number</u>	<u>Title</u>	<u>Date</u>
	<u>Folder List</u>		
Loren P. Meissner papers: Fortran newsletters			
Box 1	102797899	History and summary of Fortran standardization development for the American Standards Association (reprint)	1964
Box 1	102797900	USA standard Fortran	1966
Box 1	102797904	Fortran materials	1974 - 1975
Box 2	102797905	FOR_WORD	1975 - 1981
Box 2	102797906	FORTEC FORUM	1982 - 1984
Box 2	102797907	FORTRAN FORUM	1984 - 2015
Box 2	102797908	ACM SIGPLan Distinguished Service Award	1999
Box 1	102797902	Fortran Array and Pointer Techniques: Objects, Data Structures, and Algorithms	2010
Box 1	102797901	Fortran Story Retold: selected reprints 1968-2011, The	2016
Loren P. Meissner papers: Published books and reports			
Box 1	102797903	Fortran books	1961-2011
Jeanne Martin papers: Standards meetings materials			
Box 1	102797449	J3 meetings 8-12: minutes	1962 -1969
Box 1	102797450	J3 meetings 14-18: minutes	1969 - 1970
Box 1	102797451	J3 meetings 19-25: minutes	1970-09 - 1971-09
Box 2	102797736	J3 meetings 60-63: minutes	1977-07 - 1978-05
Box 1	102797452	J3 meetings 26-29: minutes	1971 - 1972
Box 1	102797453	J3 meetings 30-36: minutes	1972 - 1973

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	Jeanne Martin papers: Standards meetings materials (con.)		
Box 1	102797460	J3 meetings 37-44: minutes	1973 - 1974
Box 1	102797461	J3 meetings 45-55: minutes	1975 - 1976
Box 1	102797462	J3 meetings 56-59: minutes	1976 - 1977
Box 9	102797861	Introduction to ISO Working Group 5	1977 - 1982
Box 2	102797737	J3 meetings 64-67: minutes	1978-08 - 1979-03
Box 2	102797738	J3 meetings 68-69: minutes	1979-05 - 1979-08
Box 2	102797739	J3 meetings 70: part I, pre-meeting distribution	1979-10
Box 2	102797740	J3 meetings 70: part II, minutes and supplement	1979-10
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Box 2	102797742	J3 meetings 71: part II, minutes and supplement	1980-01
Box 2	102797743	J3 meetings 72: part I, pre-meeting distribution	1980-03
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Box 2	102797745	J3 meetings 73: part I, pre-meeting distribution	1980-05
Box 2	102797746	J3 meetings 73: part II, minutes and supplement	1980-05
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Box 2	102797749	J3 meetings 75: part I, agenda and pre-J3 meeting distribution	1980-10

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	Jeanne Martin papers: Standards meetings materials (con.)		
Box 2	102797750	J3 meetings 75: part II, minutes and supplement	1980-10
Box 2	102797751	J3 meetings 76: part I, pre-J3 meeting distribution	1981-01
Box 2	102797752	J3 meetings 76: part II, minutes	1981-01
Box 2	102797753	J3 meetings 76: part III, supplement	1981-01
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Box 3	102797757	J3 meetings 80: minutes and supplement	1981-11
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Box 3	102797763	J3 meetings 86: minutes and supplement	1983-05
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Box 3	102797765	J3 meetings 88: minutes and supplement	1983-11

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	Jeanne Martin papers: Standards meetings materials (con.)		
Box 3	102797766	J3 meetings 89: minutes and supplement	1984-02
Box 9	102797862	ISO Working Group 5 meeting in Geneva, Switzerland	1984-04
Box 3	102797767	J3 meetings 90: minutes and supplement	1984-05
Box 3	102797768	J3 meetings 91: minutes and supplement	1984-08
Box 3	102797769	J3 meetings 92: minutes and supplement	1984-11
Box 3	102797770	J3 meetings 93: minutes and supplement	1985-02
Box 3	102797771	J3 meetings 94: minutes and supplement	1985-05
Box 9	102797863	ISO Working Group 5 meeting in Bonn, Germany	1985-07
Box 4	102797772	J3 meetings 95: minutes and supplement	1985-07
Box 4	102797773	J3 meetings 96: minutes and supplement	1985-09
Box 4	102797774	J3 meetings 97: minutes and supplement	1985-11
Box 4	102797775	J3 meetings 98: minutes and supplement	1986-01
Box 4	102797776	J3 meetings 99: minutes and supplement	1986-04
Box 4	102797777	F8x Fortran 90 draft 1, J3 member response	1986-05
Box 4	102797778	J3 meeting 100: minutes and supplement part I	1986-06

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	Jeanne Martin papers: Standards meetings materials (con.)		
Box 4	102797779	J3 meeting 100: supplement part II	1986-06
Box 9	102797864	ISO Working Group 5 meeting in Halifax, Nova Scotia, Canada	1986-08
Box 4	102797780	J3 meeting 101: minutes and supplement	1986-08
Box 4	102797781	J3 meeting 102: minutes and supplement	1986-11
Box 4	102797782	F8x Fortran 90 draft 2, J3 member response	1987--01
Box 4	102797783	J3 meeting 103: minutes and supplement	1987--02
Box 4	102797784	F8x Fortran 90 draft 3, ballot response	1987--05
Box 4	102797785	J3 meeting 104: minutes and supplement	1987--05
Box 9	102797865	ISO Working Group 5 meeting in Liverpool, United Kingdom	1987-08
Box 4	102797786	J3 meeting 105: minutes and supplement	1987--08
Box 5	102797787	J3 meeting 106: minutes and supplement part I	1987-11
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Box 5	102797789	J3 meeting 106: supplement part III	1987-11
Box 5	102797790	J3 meeting 107: minutes and supplement	1988-02
Box 5	102797791	J3 meeting 108: minutes and supplement	1988-05
Box 5	102797792	J3 meeting 109: minutes and supplement	1988-08

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	Jeanne Martin papers: Standards meetings materials (con.)		
Box 9	102797866	ISO Working Group 5 meeting in Paris, France	1988-09
Box 5	102797793	J3 meeting 110: minutes and supplement part I	1988-11
Box 5	102797794	J3 meeting 110: supplement part II	1988-11
Box 5	102797795	J3 meeting 111: minutes and supplement part I	1989-02
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Box 9	102797867	ISO Working Group 5 meeting in Ispra, Italy	1989-07
Box 5	102797800	J3 meeting 113: minutes and supplement	1989-07
Box 10	102797868	ISO Working Group 5 meeting in London, United Kingdom and Rotterdam, Netherlands	1990
Box 5	102797801	J3 meeting 114: minutes and supplement part I	1990-01
Box 5	102797802	J3 meeting 114: supplement part II	1990-01
Box 5	102797803	J3 meeting 114: supplement part III	1990-01
Box 6	102797805	J3 meeting 115: minutes and supplement II	1990-04
Box 6	102797804	J3 meeting 115: supplement I (pre-meeting)	1990-04

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	Jeanne Martin papers: Standards meetings materials (con.)		
Box 6	102797807	J3 meeting 116: minutes and supplement II	1990-08
Box 6	102797806	J3 meeting 116: supplement I (pre-meeting)	1990-08
Box 6	102797808	J3 meeting 117: minutes and supplement	1990-12
Box 10	102797869	ISO Working Group 5 meeting in London, United Kingdom and Lund, Sweden	1991
Box 6	102797809	J3 meeting 118: minutes and supplement	1991-04
Box 6	102797810	J3 meeting 119: minutes and supplement	1991-08
Box 6	102797812	J3 meeting 120: minutes and supplement part II	1991-11
Box 6	102797811	J3 meeting 120: supplement part I (pre-meeting)	1991-11
Box 10	102797870	ISO Working Group 5 meeting in Victoria, Canada	1992
Box 6	102797814	J3 meeting 121: minutes and supplement part II	1992-05
Box 6	102797813	J3 meeting 121: supplement part I (pre-meeting)	1992-05
Box 6	102797815	J3 meeting 122: minutes and supplement	1992-08
Box 6	102797816	J3 meeting 123: minutes and supplement part I	1992-11
Box 6	102797817	J3 meeting 123: supplement part II	1992-11
Box 6	102797818	J3 meeting 124: minutes and supplement part I	1993-02

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	Jeanne Martin papers: Standards meetings materials (con.)		
Box 6	102797819	J3 meeting 124: supplement part II	1993-02
Box 6	102797820	J3 meeting 125: minutes and supplement	1993-05
Box 10	102797871	ISO Working Group 5 meeting in Berchtesgarden, Germany	1993-07
Box 7	102797821	J3 meeting 126: minutes and supplement	1993-07
Box 7	102797822	J3 meeting 127: minutes and supplement	1993-11
Box 7	102797823	J3 meeting 128: minutes and supplement	1994-02
Box 7	102797824	J3 meeting 129: minutes and supplement part I	1994-05
Box 7	102797825	J3 meeting 129: supplement part II	1994-05
Box 10	102797872	ISO Working Group 5 meeting in Edinburgh, Scotland, United Kingdom	1994-08
Box 7	102797826	J3 meeting 130: minutes and supplement	1994-08
Box 7	102797827	J3 meeting 131: minutes and supplement	1994-11
Box 11	102797873	ISO Working Group 5 meeting in Tokyo, Japan and San Diego, California, USA	1995
Box 7	102797828	J3 meeting 132: minutes and supplement	1995-01
Box 7	102797829	J3 meeting 133: minutes and supplement	1995-04
Box 7	102797830	J3 meeting 134: minutes and supplement	1995-08

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	Jeanne Martin papers: Standards meetings materials (con.)		
Box 7	102797831	J3 meeting 135: minutes and supplement	1995-11
Box 7	102797832	J3 meeting 136: minutes and supplement	1996-02
Box 7	102797833	J3 meeting 137: minutes and papers	1996-05
Box 11	102797874	ISO Working Group 5 meeting in Dresden, Germany	1996-07
Box 7	102797834	J3 meeting 138: papers and minutes	1996-08
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Box 11	102797875	ISO Working Group 5 meeting in Las Vegas, Nevada, USA	1997-02
Box 7	102797836	J3 meeting 140: papers and minutes	1997-02
Box 7	102797837	J3 meeting 141: papers and minutes	1997-05
Box 11	102797876	ISO Working Group 5 meeting in Vienna, Austria	1997-07
Box 8	102797838	J3 meeting 142: papers and minutes	1997-08
Box 8	102797839	J3 meeting 143: papers and minutes	1997-11
Box 8	102797840	J3 meeting 144: papers and minutes	1998-02
Box 8	102797841	J3 meeting 145: papers and minutes	1998-05
Box 11	102797877	ISO Working Group 5 meeting in Trollhattan, Sweden	1998-06

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Box 8	102797842	J3 meeting 146: papers and minutes	1998-08
Box 8	102797843	J3 meeting 147: papers and minutes	1998-11
Box 8	102797844	J3 meeting 148: papers and minutes	1999-03
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Box 11	102797878	ISO Working Group 5 meeting in Cadrache, France	1999-07
Box 8	102797846	J3 meeting 150: papers and minutes	1999-08
Box 8	102797847	J3 meeting 151: papers and minutes	1999-12
Box 8	102797848	J3 meeting 152: papers and minutes	2000-03
Box 8	102797849	J3 meeting 153: papers and minutes	2000-06
Box 8	102797850	J3 meeting 154: papers and minutes	2000-09
Box 8	102797851	J3 meeting 155; papers and minutes	2000-12
Box 8	102797852	J3 meeting 156; papers and minutes	2001-03
Box 8	102797853	J3 meeting 157; papers and minutes	2001-06
Box 8	102797854	J3 meeting 158; papers and minutes	2001-08
Box 8	102797855	J3 meeting 159; papers and minutes	2001-12

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Jeanne Martin papers: Standards meetings materials (con.)			
Box 8	102797856	J3 meeting 160; papers and minutes	2002-03
Box 8	102797857	J3 meeting 161; papers and minutes	2002-05
Box 8	102797858	J3 meeting 162; papers and minutes	2002-08
Box 8	102797859	J3 meeting 163; papers and minutes	2002-11
Box 8	102797860	J3 meeting 164; papers and minutes	2003-04
Jeanne Martin papers: Published books			
Box 11	102797879	Fortran books	1957 - 1988
Van Snyder papers			
Box 1	102797889	ANSI X3.9 and ISO 1539	1978
Box 1	102797893	Fortran 8x draft version 99	1986-04
Box 1	102797894	Fortran 8x draft version 102	1986-11
Box 1	102797891	Summary of changes to Fortran 8x draft, versions 104 to 112	1987 - 1989
Box 1	102797895	Fortran 8x draft version 103	1987-02
Box 1	102797890	Summary of Paris ISO WG4 meeting and X3J3 meeting	1988-11
Box 1	102797896	Fortran 8x draft version 111	1989-03
Box 1	102797897	Fortran 8x draft version 114	1990-01
Box 1	102797898	Fortran 8x draft version 115	1990-06
Box 1	102797892	Fortran 90: proposed US standard (ANSI 118) and international standard (ISO 692)	1991-05