

Guide to the James S. Trefil papers, 1965-2009

James S. Trefil papers
1965-2009



A Collection in Special Collections and Archives C0084
George Mason University Libraries
2011

History

Processed by: Special Collections and Archives Staff

Title Statement

Guide to the James S. Trefil papers, 1965-2009

Subtitle: James S. Trefil

Collection: C0084

Author: Eron Ackerman

Publication Statement

Date: 2006 By George Mason University Libraries. All rights reserved.

Publisher: George Mason University Libraries

Profile Description

Creation: Machine-readable finding aid derived from being created directly into EAD, created by Eron Ackerman, February 2009

Language Usage: Description is in English

Revision Description

2013-11-21 Converted to schema conforming EAD by dtd2schema.vh.xsl.

Descriptive Summary

Collection number

C0084

Date

1965-2009

Language

English

Abstract

Collection contains materials pertaining to the research and career of Dr. Trefil. Types of materials include correspondence, research notes, notes from courses both taken and taught, book manuscripts, and information pertaining to conferences he attended.

Creator

James S. Trefil, 1938-

Physical Characteristics

58 linear feet (116 boxes)

Repository

George Mason University. Special Collections and Archives.

Administrative Information

Access Restrictions

Collection is open to research.

Use Restrictions

There are no restrictions.

Acquisition Information

Collection donated by James Trefil in 2003 and 2011.

Processing Information

Processed by Special Collections and Archives staff. EAD markup completed by Eron Ackerman and Jordan Patty in March 2009. The finding aid was updated by Greta Kuriger in April 2011.

Preferred Citation

James S. Trefil papers, Collection #C0084, Special Collections and Archives, George Mason University.

Adjunct Descriptive Data

Related Material

Special Collections and Archives also holds the [Harold Morowitz papers](#).

Biographical Information

Physicist and author James S. Trefil is known for his writing and his interest in teaching science to nonscientists. He is a Fellow of the APS and a former Guggenheim Fellow. His numerous books and articles include works written for general audiences. He co-authored *The Dictionary of Cultural Literacy* (3rd ed., 2002) and in 1992 published *The Facts of Life* (Harold Morowitz, co-author). *Science Matters: Achieving Scientific Literacy*, was co-authored with Robert Hazen in 1991, and in 1995 they published *The Sciences: An Integrated Approach*. Dr. Trefil's *A Scientist in the City* appeared in 1994. *Are We Unique: A Scientist Explores the Complexity of the Human Brain* appeared in 1997. The National Geographic Society published his book *Other Worlds: The Solar System and Beyond* in 1999. He was the general editor of *The Encyclopedia of Science and Technology* (2002) and co-author of *Good Seeing: a Scientific History of the Carnegie Institution*. His most recent book is *The Laws of Nature* (2002). He is a regular contributor to *Smithsonian Magazine* and was previously University Professor and Professor of Physics at the University of Virginia. In 2000 American Institute of Physics chose him to receive the Andrew W. Gemant Award, presented for outstanding and sustained contributions in bridging the gap between science and society. During 2003-2004, he was a Phi Beta Kappa Visiting Scholar.

Scope and Content

Collection contains materials pertaining to the research and career of Dr. Trefil. Types of materials include correspondence, research notes, notes from courses both taken and taught, book manuscripts, and information pertaining to conferences he attended.

Index Terms

Persons:

Trefil, James S., 1938-

Subjects:

Science--Study and teaching (Higher)--United States.

Arrangement

This collection is arranged both alphabetically by subject and chronologically.

Contents List

James Trefil papers

Mind of God- 1st Draft- Introduction

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Mind of God- 1st Draft- Chapters 4 Through 15

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Mind of God- Edited 1st Draft- Introduction

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Mind of God- Edited 1st Draft- Chapter 2 "Halley and His Comet"

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Science Matters- STGPS, Chapter Notes and Comments, Introduction Drafts, Uncorrected Proof, and Index Draft

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The Facts of Life: Science and the Abortion Controversy- Preliminary Draft

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Miscellaneous Topics in Theoretical Physics- Berman Weak Int.

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Bulletin of the American Physical Society, Vol.22, No.1, January 1977

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Bulletin of the American Physical Society, Vol.24, No.3, March 1979

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Bulletin of the American Physical Society, Vol.24, No.4, April 1979

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Bulletin of the American Physical Society, Series II, Vol.17., No.1, 1972

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Physics 101- Electricity and Magnetism- Exams and Notes- 1977- 1976- 1S- 1975

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Bibliography 1970-83- Nature 1977-83

Container 1-2 (Folder)

Container 29 (box)

Physics 102- Relativity- The Atom- Atomic Structure- Quantum Mechanics- Nuclear Physics- Radioactivity- Hoxton Lecture

Container 3-10 (Folder)

Container 29 (box)

Correspondence- 1967-68, 1969-70, 1970-71, 1971-72, 1972-73

Container 1-6 (Folder)

Container 30 (box)

Correspondence 1973-74

Container 1-2 (Folder)

Container 31 (box)

Correspondence 1974-75

Container 3-4 (Folder)

Container 31 (box)

Correspondence 1975-76

Container 5 (Folder)

Container 31 (box)

New York Times Magazine

Container 1 (Folder)

Container 32 (box)

New Physics

Container 2 (Folder)

Container 32 (box)

1001 Things File

Container 3 (Folder)

Container 32 (box)

Berman Lectures

Container 4 (Folder)

Container 32 (box)

Simple Harmonic Motion and Waves

Container 5 (Folder)

Container 32 (box)

Lectures on Glauber

Container 6 (Folder)

Container 32 (box)

Writer Talk

Container 7 (Folder)

Container 32 (box)

Time-Life/Sun

Container 8 (Folder)

Container 32 (box)

The Facts of Life- Oxford University Press Kit

Container 9 (Folder)

Container 32 (box)

FPA Conference

Container 10 (Folder)

Container 32 (box)

Oxford University Press

Container 11 (Folder)

Container 32 (box)

The Chronicle of Higher Education

Container 12 (Folder)

Container 32 (box)

Roemer Talk

Container 13 (Folder)

Container 32 (box)

Novel Notes

Container 14 (Folder)

Container 32 (box)

Miscellaneous- University of Chicago

Container 15 (Folder)

Container 32 (box)

Guggenheim Fellowship

Container 16 (Folder)

Container 32 (box)

End of Science Book Proposal

Container 17 (Folder)

Container 32 (box)

Center for Advanced Studies

Container 18 (Folder)

Container 32 (box)

ZBC Memos

Container 19 (Folder)

Container 32 (box)

Meetings: ETI, Non Linear Dynamics, SPSS, AAAS

Container 20 (Folder)

Container 32 (box)

Meetings

Container 1 (Folder)

Container 33 (box)

APS Meetings

Container 2 (Folder)

Container 33 (box)

Research Proposal Submitted to the National Science Foundation

Container 3 (Folder)

Container 33 (box)

Mult. Scattering

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Miscellaneous Physics

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Miscellaneous Non Physics

Container 6 (Folder)

Container 33 (box)

Lecture Notes

Container 7 (Folder)

Container 33 (box)

General Education Working Group

Container 8 (Folder)

Container 33 (box)

Smithsonian Book Series

Container 9 (Folder)

Container 33 (box)

Glauber Theory

Container 10 (Folder)

Container 33 (box)

1988 NPR/AAAS Meeting

Container 11 (Folder)

Container 33 (box)

Stonybrook and Wisconsin Conference

Container 12 (Folder)

Container 33 (box)

November 1987

Container 13 (Folder)

Container 33 (box)

Crater Talk

Container 14 (Folder)

Container 33 (box)

Monopole Seminar

Container 15 (Folder)

Container 33 (box)

Science Matters- Book World

Container 16 (Folder)

Container 33 (box)

Book Reviews

Container 17 (Folder)

Container 33 (box)

Living in Space (Edited Draft)- Introduction

Container 1 (Folder)

Container 34 (box)

Living in Space (Edited Draft)- Chapters 1 through 12

Container 2-13 (Folder)

Container 34 (box)

Living in Space (Edited Version)- Figures 1-12 and 2 Drawings

Container 14 (Folder)

Container 34 (box)

Living in Space (Edited Draft)- Photos Herewith

Container 15 (Folder)

Container 34 (box)

Trefil Lineart 104 Pieces

Container 16 (Folder)

Container 34 (box)

N.Y. Times- SSC Article

Container 1-5 (Folder)

Container 35 (box)

Greenhouse/SM

Container 1 (Folder)

Container 36 (box)

Greenhouse/SM- [SM/Climate Modeling]

Container 2 (Folder)

Container 36 (box)

Greenhouse/SM- [Nuclear Winter]

Container 3-5 (Folder)

Container 36 (box)

Consumers Guide to Pseudosciences

Container 1 (Folder)

Container 37 (box)

Science Digest Toys

Container 2 (Folder)

Container 37 (box)

Cold Fusion

Container 3 (Folder)

Container 37 (box)

NASA Captions Project- [Sea Surface Temperature]- Altimeter- [Biosphere]- [Pacific Zoom]- [Ozone]- [LIMS]- [ERBE]- [MSU (El Nino)]- [SAGE]- [Morter File- NASA]

Container 4-14 (Folder)

Container 37 (box)

1988-89 Travel

Container 1 (Folder)

Container 38 (box)

The Chicago Academy of Sciences

Container 2 (Folder)

Container 38 (box)

Original Extinction Piece (1981)

Container 3 (Folder)

Container 38 (box)

SPM/Discover

Container 4 (Folder)

Container 38 (box)

General Magazine Correspondence

Container 5 (Folder)

Container 38 (box)

Long-Term Sun-Weather Relationships

Container 6 (Folder)

Container 38 (box)

Earth

Container 7 (Folder)

Container 38 (box)

Seminars- Earth

Container 8 (Folder)

Container 38 (box)

Deep Mines [Deep Mines Story]

Container 9 (Folder)

Container 38 (box)

S.M. Galaxy

Container 10 (Folder)

Container 38 (box)

Q. Mech- Smithsonian

Container 11 (Folder)

Container 38 (box)

Canals of Mars

Container 12 (Folder)

Container 38 (box)

Sheldon

Container 13 (Folder)

Container 38 (box)

Tombaugh Column

Container 14 (Folder)

Container 38 (box)

U.S.A. Weekend- Pending- Dolly- Adler- Millennium- Breast Cancer

Container 1-6 (Folder)

Container 39 (box)

U.S.A. Weekend Back File

Container 7 (Folder)

Container 39 (box)

Trefil Articles

Container 8-9 (Folder)

Container 39 (box)

Second Edition of Scientific Literacy

Container 1 (Folder)

Container 40 (box)

Correspondence 1998-2000

Container 2 (Folder)

Container 40 (box)

Antimatter

Container 3-5 (Folder)

Container 40 (box)

Atoms to Quarks (First Draft)- Outline, Chapters 1 and 2

Container 1 (Folder)

Container 41 (box)

Atoms to Quarks (First Draft)- Chapters 3 through 14

Container 2-7 (Folder)

Container 41 (box)

A Scientist at the Seashore (Edited Copy)- Copyright Pages and Call-Out Sheets

Container 8 (Folder)

Container 41 (box)

A Scientist at the Seashore (Edited Copy)- Introduction, Chapters 1 through 12

Container 9-14 (Folder)

Container 41 (box)

A Scientist at the Seashore (Edited Copy)- Chapter 13 and Caption Manuscript

Container 15 (Folder)

Container 41 (box)

Meditation at 10,000 Feet (First Draft)- Introduction and Chapter 1

Container 1 (Folder)

Container 42 (box)

Meditation at 10,000 Feet (First Draft)- Chapters 2 through 13

Container 2-7 (Folder)

Container 42 (box)

Meditation at 10,000 Feet (First Draft)- Chapter 15 and Running Head Copy

Container 8 (Folder)

Container 42 (box)

Meditation at 10,000 Feet (First Draft)- Photo Caption Copy, Callouts, Illustrations, Indices

Container 9 (Folder)

Container 42 (box)

Meditation at 10,000 Feet (Edited)- Introduction and Chapters 1 through 14

Container 10-16 (Folder)

Container 42 (box)

Time, Space, Infinity (Rough Draft)- Prologue, Chapter 1, 2, and 3

Container 1 (Folder)

Container 43 (box)

Time, Space, Infinity (Rough Draft)- Chapter 1, Part 3- Chapter 2, Part 3- Chapter 3, Part 3- Chapter 4, Part 3- Chapter 1, Part 4- Chapter 1, Part 5

Container 2-7 (Folder)

Container 43 (box)

Time, Space, Infinity (Rough Draft)- Chapter 2, Part 5- Chapter 3, Part 5- Chapter 4, Part 5- Part 6- Chapter 1, Part 6

Container 8-13 (Folder)

Container 43 (box)

Time, Space, Infinity (Edited)- Chapters 1 -18

Container 15-22 (Folder)

Container 43 (box)

Time, Space, Infinity (Edited)- Epilogue

Container 23 (Folder)

Container 43 (box)

"Crater Taphonomy and Bombardment Rates in the Phanerozoic"

Container 1-2 (Folder)

Container 44 (box)

Cratering Data

Container 3-5 (Folder)

Container 44 (box)

David M. Raup Articles

Container 6 (Folder)

Container 44 (box)

Crater Decay File

Container 7 (Folder)

Container 44 (box)

Fossil Record

Container 1 (Folder)

Container 45 (box)

Target Rock

Container 2 (Folder)

Container 45 (box)

Impact Effects

Container 3 (Folder)

Container 45 (box)

Surface Removal Paper

Container 4 (Folder)

Container 45 (box)

Surface Removal

Container 5 (Folder)

Container 45 (box)

Miscellaneous Readings

Container 6-7 (Folder)

Container 45 (box)

Correspondence 1986- August 1987 (Move to GMU)

Container 1-2 (Folder)

Container 46 (box)

Job Search Letters 1985-86

Container 3 (Folder)

Container 46 (box)

Calculation Log

Container 4 (Folder)

Container 46 (box)

Planet Size

Container 5 (Folder)

Container 46 (box)

Search Documents

Container 6 (Folder)

Container 46 (box)

Papers (1986)

Container 7 (Folder)

Container 46 (box)

Manuscript Notes- Country Roads

Container 8 (Folder)

Container 46 (box)

Articles

Container 9-10 (Folder)

Container 46 (box)

Correspondence 1991-92

Container 1-2 (Folder)

Container 47 (box)

Correspondence 1992-94

Container 3-5 (Folder)

Container 47 (box)

Quantum Field Theory: Mandl Notes

Container 1 (Folder)

Container 48 (box)

Quantum Field Theory: I, II, III

Container 2-4 (Folder)

Container 48 (box)

Quantum Mechanics: Q. Mech. I, II, III

Container 5-7 (Folder)

Container 48 (box)

Nuclear and Many Body Theory: Many Body Seminar

Container 1 (Folder)

Container 49 (box)

Nuclear and Many Body Theory: Nuclear I, II

Container 2-3 (Folder)

Container 49 (box)

Nuclear and Many Body Theory: Many Body Theory

Container 4 (Folder)

Container 49 (box)

Nuclear and Many Body Theory: Nuclear

Container 5 (Folder)

Container 49 (box)

Pion Double Charge Exchange Scattering From Nuclei: Articles

Container 6 (Folder)

Container 49 (box)

Pion Double Charge Exchange Scattering From Nuclei: Impulse Approx.

Container 7 (Folder)

Container 49 (box)

Pion Double Charge Exchange Scattering From Nuclei: Wick, RMP

Container 8 (Folder)

Container 49 (box)

Pion Double Charge Exchange Scattering From Nuclei: Scweber, Ch. 12

Container 9 (Folder)

Container 49 (box)

Pion Double Charge Exchange Scattering From Nuclei: He3 Work

Container 10 (Folder)

Container 49 (box)

Pion Double Charge Exchange Scattering From Nuclei: Publication of Results

Container 11-12 (Folder)

Container 49 (box)

Pion Double Charge Exchange Scattering From Nuclei: Numerical Results

Container 13 (Folder)

Container 49 (box)

Pion Double Charge Exchange Scattering From Nuclei: O18 Work

Container 14 (Folder)

Container 49 (box)

Pion Double Charge Exchange Scattering From Nuclei: Miscellaneous

Container 15 (Folder)

Container 49 (box)

General Theory of Relativity: Gen. Rel. I, II

Container 1-3 (Folder)

Container 50 (box)

Introduction to Theoretical Physics: Theoret I, II, III

Container 4-6 (Folder)

Container 50 (box)

Miscellaneous: Anglo Saxon

Container 7 (Folder)

Container 50 (box)

Miscellaneous: Russian 52

Container 8 (Folder)

Container 50 (box)

Miscellaneous: Russian 10

Container 9 (Folder)

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Miscellaneous: Renaissance Art

Container 10 (Folder)

Container 50 (box)

Miscellaneous: Rel. Kinematics

Container 11 (Folder)

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Miscellaneous: Slavic Ethnogenesis

Container 12 (Folder)

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Miscellaneous: Biophys.

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Miscellaneous: Phil. Sci.

Container 14 (Folder)

Container 50 (box)

Miscellaneous: Orals

Container 15 (Folder)

Container 50 (box)

Miscellaneous: Comprehensive

Container 16 (Folder)

Container 50 (box)

[Course Notes] Depolarization- Counting- Integrals- Closure Results- Program Notes- Miscellaneous- Nx Exchange

Container 1-7 (Folder)

Container 51 (box)

[Course Notes] Work on Proofs- P Photo Prod. A Dep.- P Exchange- Numerical Results- Data- Helicity- Reading Notes

Container 8-14 (Folder)

Container 51 (box)

[Miscellaneous]

Container 1-4 (Folder)

Container 52 (box)

[Mathematics]

Container 5-7 (Folder)

Container 52 (box)

Physics- Heat, Sound, and Light- Electricity and Magnetism- Basic Mechanics

Container 1-3 (Folder)

Container 53 (box)

Mathematics- Real Variables, Differential Equations II

Container 4 (Folder)

Container 53 (box)

Mathematics- Complex Var.

Container 5 (Folder)

Container 53 (box)

Nuclear Theory Physics 341 (Stanford University Winter Quarter 1965, J. D. Walecka)

Container 6 (Folder)

Container 53 (box)

Nuclear Theory III Physics 342 (Stanford University Spring Quarter 1965, J. D. Walecka)

Container 7 (Folder)

Container 53 (box)

Theory of Many Particle Systems Physics 340 (Stanford University Fall Quarter 1965 J. D. Walecka)

Container 8 (Folder)

Container 53 (box)

Notes- J. Trefil Merton Coll. Oxford

Container 9 (Folder)

Container 53 (box)

[Notes]

Container 10 (Folder)

Container 53 (box)

Geophysics Notes- Inverse Problem- Articles- Seminar Notes

Container 1-3 (Folder)

Container 54 (box)

Physics Thermodynamics

Container 4 (Folder)

Container 54 (box)

General Physics Teaching- Light and Heat- Miscellaneous- E and M-Mechanics

Container 5-8 (Folder)

Container 54 (box)

Third International Conference on High Energy Physics and Nuclear Structure

Container 9 (Folder)

Container 54 (box)

A Century of Physics at the University of Illinois 1868-1968

Container 10 (Folder)

Container 54 (box)

The Arrow of Time

Container 11 (Folder)

Container 54 (box)

Study Guide for Home Energy Evaluation

Container 12 (Folder)

Container 54 (box)

Reserve Physics No.102

Container 13 (Folder)

Container 54 (box)

An Article from Scientific American (July 1971, Vol.225, No.1)

Container 14 (Folder)

Container 54 (box)

All You Zombies (Reserve 104- Dr. Trefil)

Container 15 (Folder)

Container 54 (box)

Math. Methods

Container 16 (Folder)

Container 54 (box)

Miscellaneous

Container 17 (Folder)

Container 54 (box)

SI Work (Practice Problems)

Container 18 (Folder)

Container 54 (box)

SI Reading (Practice Problems)

Container 19 (Folder)

Container 54 (box)

SI Articles (Practice Problems)

Container 20 (Folder)

Container 54 (box)

Spin 3/2 Isobar Problem (Practice Problems)

Container 21 (Folder)

Container 54 (box)

Report on Berkeley Heavy Ion Conference

Container 22 (Folder)

Container 54 (box)

Oxford Notes- Philosophy of Science- Modern Physics- Nuclear- E and M- Math. and Miscellaneous

Container 1-5 (Folder)

Container 55 (box)

Oxford Notes- Solid State- Kinetic Theory- Thermodynamic Statistical Mech.- Properties of Matter- Exams Misc.

Container 6-10 (Folder)

Container 55 (box)

Conservation and Wilderness

Container 1 (Folder)

Container 56 (box)

Snowflakes

Container 2 (Folder)

Container 56 (box)

DNA Repair

Container 3 (Folder)

Container 56 (box)

Column Ideas

Container 4 (Folder)

Container 56 (box)

Snowball Earth

Container 5 (Folder)

Container 56 (box)

Flood

Container 6 (Folder)

Container 56 (box)

Daniel Schrag

Container 7 (Folder)

Container 56 (box)

Airplane I, II

Container 8-9 (Folder)

Container 56 (box)

Methanol Fuel Cells

Container 10 (Folder)

Container 56 (box)

Cloning

Container 11 (Folder)

Container 56 (box)

U of C Talks

Container 12 (Folder)

Container 56 (box)

Newfoundland

Container 13 (Folder)

Container 56 (box)

Kalamazoo

Container 14 (Folder)

Container 56 (box)

Kalamazoo Talk

Container 15 (Folder)

Container 56 (box)

The New York Academy of Sciences

Container 16 (Folder)

Container 56 (box)

Japan

Container 17 (Folder)

Container 56 (box)

IFI 1995 Nagoya

Container 18 (Folder)

Container 56 (box)

Anthropic

Container 1 (Folder)

Container 57 (box)

Then/Now

Container 2 (Folder)

Container 57 (box)

Guide to the Molecular Century

Container 3 (Folder)

Container 57 (box)

Dictionary of Cultural Literacy- 3rd Edition

Container 4 (Folder)

Container 57 (box)

Nitrogen (Back File)

Container 5-6 (Folder)

Container 57 (box)

Spectroscopy

Container 7 (Folder)

Container 57 (box)

Stonehenge

Container 8 (Folder)

Container 57 (box)

Parallax

Container 9 (Folder)

Container 57 (box)

The Inflationary Universe

Container 10 (Folder)

Container 57 (box)

Ancient Astronomers

Container 11 (Folder)

Container 57 (box)

Inflation

Container 12 (Folder)

Container 57 (box)

Stellar Fusion

Container 13 (Folder)

Container 57 (box)

H-R Diagrams

Container 14 (Folder)

Container 57 (box)

The Pierre Auger Project- Design Report November 1996

Container 1 (Folder)

Container 58 (box)

Cosmic Rays

Container 2 (Folder)

Container 58 (box)

Judge's School 1996 (Palm Springs)

Container 3 (Folder)

Container 58 (box)

Judge's School 1998

Container 4 (Folder)

Container 58 (box)

Ames

Container 5 (Folder)

Container 58 (box)

BRITT

Container 6 (Folder)

Container 58 (box)

Communities

Container 7 (Folder)

Container 58 (box)

Kansas City Museum

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Container 58 (box)

Davos

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Container 59 (box)

Davos 1998

Container 3 (Folder)

Container 59 (box)

Davos 1999

Container 4-5 (Folder)

Container 59 (box)

Davos Global Issues Group- London 200

Container 6 (Folder)

Container 59 (box)

Davos 2000

Container 7 (Folder)

Container 59 (box)

Davos Global Issues Group 2001

Container 8 (Folder)

Container 59 (box)

Davos 2001

Container 9 (Folder)

Container 59 (box)

World Economic Forum- Annual Meeting 2001 Report

Container 10 (Folder)

Container 59 (box)

Davos 2002

Container 11 (Folder)

Container 59 (box)

World Economic Forum- Global City Initiative

Container 12 (Folder)

Container 59 (box)

First Americans

Container 1 (Folder)

Container 60 (box)

Physics Free Press

Container 2 (Folder)

Container 60 (box)

Study Guide for Home Energy Evaluation

Container 3 (Folder)

Container 60 (box)

Miscellaneous Articles

Container 4 (Folder)

Container 60 (box)

Thermodynamics of Strong Interactions by R. Hagedorn

Container 5 (Folder)

Container 60 (box)

Cumulative Control Study

Container 6 (Folder)

Container 60 (box)

[Physics and the Life Sciences]- Introduction- 2. Introduction to Mechanics- 3. Statics- 4. Dynamics- 5. Gravity- 6. Elasticity and Simple Harmonic Motion- 7. Introduction to Fluids and Hydrostatics- 8. Hydrodynamics- 9. Heat-Temperature- 10. Thermodynamics

Container 7-16 (Folder)

Container 60 (box)

[Electricity]- Some Basic Facts About Electricity- Electrical Properties of Materials- Introduction to Electrical Circuits- Solid State Devices and Electronics- Magnetism- Circuitry- Waves: Simple Harmonic Motion and Waves

Container 17-23 (Folder)

Container 60 (box)

1991- 92 Travels

Container 1 (Folder)

Container 61 (box)

APS Public Info. Committee

Container 2 (Folder)

Container 61 (box)

Cosmic Multiplication Jpp: Cosmic Ray Multiplicity

Container 3 (Folder)

Container 61 (box)

Cosmic Multiplication Jpp: Jpp From Cosmic Ray Data

Container 4 (Folder)

Container 61 (box)

The Soviet Effort in Experimental High Energy Physics: Preliminary Draft-Journals- Reading Notes- Collaborations- Articles/Notes- Citations/Conf.

Container 5-10 (Folder)

Container 61 (box)

Marshall Committee

Container 11-12 (Folder)

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Tree Rings

Container 1 (Folder)

Container 62 (box)

Interconnected Earth

Container 2-5 (Folder)

Container 62 (box)

Waterfall- Corr.

Container 6 (Folder)

Container 62 (box)

Correspondence

Container 7 (Folder)

Container 62 (box)

Ideas IQ. Reports

Container 8 (Folder)

Container 62 (box)

HALE [Explorer of the Universe]

Container 1-2 (Folder)

Container 63 (box)

HALE [On the Probable Existence of a Magnetic Field in Sun-Spots]

Container 3 (Folder)

Container 63 (box)

HALE [Magnetic Observation of Sunspots]

Container 4 (Folder)

Container 63 (box)

Solar Astronomy, MEADOWS [Early Solar Physics]

Container 5 (Folder)

Container 63 (box)

Dark Matter

Container 6 (Folder)

Container 63 (box)

The University of Chicago, Department of the Geophysical Sciences Directory 1988- 1989

Container 7 (Folder)

Container 63 (box)

Rotation Calc.

Container 8 (Folder)

Container 63 (box)

Int. Earth- S.M.

Container 9 (Folder)

Container 63 (box)

UVA Undergraduate Record 1985-86

Container 1 (Folder)

Container 64 (box)

Physics

Container 2 (Folder)

Container 64 (box)

Environmental Sciences 150, 201, 148, 101, 115, 220, 250

Container 3-4 (Folder)

Container 64 (box)

Chemistry

Container 5 (Folder)

Container 64 (box)

Biology

Container 6 (Folder)

Container 64 (box)

Astronomy

Container 7 (Folder)

Container 64 (box)

Faculty Reports From Dean Robert Kellooa

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Container 64 (box)

Memo's on Meeting Schedule

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Science Requirement Course Criteria

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Miscellaneous

Container 11 (Folder)

Container 64 (box)

Quantitative Reasoning

Container 12 (Folder)

Container 64 (box)

N- Designation

Container 13 (Folder)

Container 64 (box)

Charlottesville Bud Light Triathlon 10-4-86

Container 1 (Folder)

Container 65 (box)

Physical Review Letters 09-28-70, 01-31-72

Container 2 (Folder)

Container 65 (box)

Astro II

Container 3-4 (Folder)

Container 65 (box)

Large Angle/A-B Inclusive/TPM

Container 5 (Folder)

Container 65 (box)

Large P Inclusives

Container 6 (Folder)

Container 65 (box)

Modern Maturity (EXT)

Container 1 (Folder)

Container 66 (box)

Correspondence Oct. 1987-May 1988

Container 2-3 (Folder)

Container 66 (box)

Activities File 1989-90

Container 4 (Folder)

Container 66 (box)

[Sesquicentennial Associate Papers and Scholar at University of Chicago]

Container 5 (Folder)

Container 66 (box)

Fairbank

Container 6 (Folder)

Container 66 (box)

Pergamon Press Inc. [Royalty Info.]

Container 7 (Folder)

Container 66 (box)

Miscellaneous Old Stuff- UVA

Container 8 (Folder)

Container 66 (box)

Miscellaneous

Container 9 (Folder)

Container 66 (box)

Conference on Non-Linear Dyn.

Container 1 (Folder)

Container 67 (box)

Pantheon Contract

Container 2 (Folder)

Container 67 (box)

Brittanica

Container 3 (Folder)

Container 67 (box)

NEH

Container 4 (Folder)

Container 67 (box)

Modern Maturity

Container 5 (Folder)

Container 67 (box)

McGraw- Hill Consulting

Container 6 (Folder)

Container 67 (box)

Levine School of Music

Container 7 (Folder)

Container 67 (box)

World Wildlife Fund

Container 8 (Folder)

Container 67 (box)

Brittanica 1987

Container 9 (Folder)

Container 67 (box)

Correspondence 1988-89

Container 10 (Folder)

Container 67 (box)

PREISS

Container 1 (Folder)

Container 68 (box)

World Book/Supernova

Container 2 (Folder)

Container 68 (box)

TTSRA

Container 3 (Folder)

Container 68 (box)

S.M. Travel- Toronto

Container 4 (Folder)

Container 68 (box)

Rainbow Conference

Container 5 (Folder)

Container 68 (box)

Quantum Conference

Container 6 (Folder)

Container 68 (box)

The Chicago Academy of Sciences

Container 7 (Folder)

Container 68 (box)

Senate Task Force

Container 8 (Folder)

Container 68 (box)

Publishers

Container 9 (Folder)

Container 68 (box)

Book Reviews 1985-87

Container 10 (Folder)

Container 68 (box)

Craters/ S.M.

Container 11-12 (Folder)

Container 68 (box)

Analysis of Worlds in Collision

Container 1 (Folder)

Container 69 (box)

Physics in the 80's Overview

Container 2 (Folder)

Container 69 (box)

Lab Reports- Merton Coll.

Container 3 (Folder)

Container 69 (box)

Amplitudes

Container 4 (Folder)

Container 69 (box)

Baryon- Baryon Scattering

Container 5 (Folder)

Container 69 (box)

M-B Amplitudes

Container 6 (Folder)

Container 69 (box)

Meson- Baryon Formalisms- Books 1 nad 2

Container 7 (Folder)

Container 69 (box)

Correspondence and Publication

Container 8 (Folder)

Container 69 (box)

Amplitude

Container 9 (Folder)

Container 69 (box)

Photoproduction Formalism

Container 10 (Folder)

Container 69 (box)

[Chodoke] Effect

Container 1 (Folder)

Container 70 (box)

Magnetic Tides

Container 2 (Folder)

Container 70 (box)

Lab Reports- Merton [College]

Container 3 (Folder)

Container 70 (box)

Production of Free Monopoles

Container 4 (Folder)

Container 70 (box)

Quark Production

Container 5 (Folder)

Container 70 (box)

Monoplonian

Container 6 (Folder)

Container 70 (box)

Cell Kinetics and Cancer Chemotherapy

Container 7 (Folder)

Container 70 (box)

Monopole and Quark Production

Container 8 (Folder)

Container 70 (box)

Seminar Notes

Container 9 (Folder)

Container 70 (box)

Monopolelonization: Papers, Eloss- Papers, General- Model

Container 1-3 (Folder)

Container 71 (box)

Rotating Fluids: Curvature- [Notes and Equations]

Container 4-5 (Folder)

Container 71 (box)

Technology: Fluidized Bed- Log Heat Conduction- Radiating Surface

Container 6-8 (Folder)

Container 71 (box)

The Urban Environment by Ian Douglas

Container 1 (Folder)

Container 72 (box)

Classical Physics

Container 2-3 (Folder)

Container 72 (box)

Classical E and M II

Container 4-5 (Folder)

Container 72 (box)

NAL Emulsion

Container 1 (Folder)

Container 73 (box)

E.A.S.

Container 2 (Folder)

Container 73 (box)

Scaling

Container 3 (Folder)

Container 73 (box)

Classical Physics Lecture Notes: Blood How-Seismic Waves- Properties of Solids- Atmospheric Motion- Viscosity and Heat Conduction- Spheres- Tides

Container 4-10 (Folder)

Container 73 (box)

Classical Physics Lecture Notes: Waves- Fluids in Motion- Rotating Gravitation Fluid- Equations of Motion- Notes for Next Year

Container 11-15 (Folder)

Container 73 (box)

Physical Review Letters

Container 1 (Folder)

Container 74 (box)

The American Oxonian

Container 2 (Folder)

Container 74 (box)

The Onion vs. The Bootstrap: Will We Ever Discover The Fundamental Nature of Matter?

Container 3 (Folder)

Container 74 (box)

Classical E and M: Electrostatics

Container 4-5 (Folder)

Container 74 (box)

Classical E and M Additional Notes: Articles- Exams- Problem Sets

Container 6-8 (Folder)

Container 74 (box)

Classical E and M: Radiation

Container 9 (Folder)

Container 74 (box)

Froissart Bounds Factorization: R square N - Factorization - Frassert Bound

Container 1-3 (Folder)

Container 75 (box)

Medical Physics: Heart Valve- Urology Notes and Papers

Container 4-5 (Folder)

Container 75 (box)

Mathematical Physics

Container 6-7 (Folder)

Container 75 (box)

Misc. Research Topics: Red Shift- n-p Mass Difference- Spin in Quark Reactions- Multi-Glauber Notes- Superheavy Nuclei

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