

---

## Guide to the Papers of Richard Phillips Feynman, 1933-1988

### Collection number: Consult repository

Archives

California Institute of Technology  
Pasadena, California

#### Contact Information:

- Archives
- California Institute of Technology
- 1200 East California Blvd.
- Mail Code 015A-74
- Pasadena, CA 91125
- Phone: (626) 395-2704
- Fax: (626) 793-8756
- Email: [archives@caltech.edu](mailto:archives@caltech.edu)
- URL: <http://archives.caltech.edu>

Processed by:

Charlotte E. Erwin, Carol Finerman, and David A Valone

Date Completed:

July 1, 1993. Updated September 2002.

Encoded by:

Machine-readable finding aid created by Kevin C. Knox. Derived from XML/EAD encoded file by the Center for History of Physics, American Institute of Physics as part of a collaborative project (1999) supported by a grant from the National Endowment for the Humanities.

© 2003 California Institute of Technology. All rights reserved.

---

### Descriptive Summary

**Title:** Richard Phillips Feynman papers,

**Date (inclusive):** 1933-1988

**Collection number:** Consult repository

**Creator:** Feynman, Richard Phillips, 1918-1988

**Extent:** 39 linear feet

**Repository:** California Institute of Technology. Archives.

Pasadena, California 91125

**Abstract:** This collection documents the career of Nobel Prize winner Richard Phillips Feynman (1918-1988). It contains correspondence, biographical materials, course and lecture notes, speeches, manuscripts, publications, and technical notes relating to his work in quantum electrodynamics. Feynman served as Richard Chace Tolman Professor of Theoretical Physics at the California Institute of Technology from 1951 until his death.

**Language:** English

#### Access

The collection is open for research. Researchers must apply in writing for access.

#### Publication Rights

Copyright may not have been assigned to the California Institute of Technology Archives. All requests for permission to publish or quote from manuscripts must be submitted in writing to the Head of the Archives. Permission for publication is given on behalf of the California Institute

---

of Technology Archives as the owner of the physical items and is not intended to include or imply permission of the copyright holder, which must also be obtained by the reader.

### Preferred Citation

[Identification of item, box and file number], Papers of Richard Phillips Feynman. Archives, California Institute of Technology.

### Acquisition Information

The Papers were gifted to Caltech by Richard Feynman and Gweneth Feynman in two main installments, beginning in 1968.

The first group of papers, now boxes 1-20 of the collection, was donated by Feynman himself in 1968 and added to from time to time during his lifetime. It contains materials dating from circa 1933 to 1970. The second group, comprising just under three-fourths of the whole collection, occupies boxes 21-90. It was given to Caltech by Feynman's widow Gweneth early in 1989. Group 2 contains papers primarily from the 1970s and 1980s, although some older material is present. Supplements since 1994 occupy three boxes and have come from various donors outside the Feynman family.

### Processing History

This collection was processed by Charlotte E. Erwin, Carol Finerman, and David A. Valone and completed on July 1, 1993. The finding aid was updated in September 2002.

### Biography

Physicist Richard Feynman won his scientific renown through the development of quantum electrodynamics, or QED, a theory describing the interaction of particles and atoms in radiation fields. As a part of this work he invented what came to be known as "Feynman Diagrams," visual representations of space-time particle interactions. For this work he was awarded the Nobel Prize in physics, together with J. Schwinger and S. I. Tomonaga, in 1965. Later in his life Feynman became a prominent public figure through his association with the investigation of the space shuttle Challenger explosion and the publication of two best-selling books of personal recollections.

Feynman was born in the borough of Queens in New York City on May 11, 1918. He grew up and attended high school in Far Rockaway, New York. In 1939, he received his BS degree in physics from the Massachusetts Institute of Technology. He then attended Princeton University as a Proctor Fellow from 1940 to 1942, where he began his investigation of quantum electrodynamics under the supervision of J. A. Wheeler. He was awarded his PhD in 1942 for his thesis on the least action principle.

While still at Princeton, Feynman was recruited for the atomic bomb project. He was transferred to Los Alamos in 1942, where he headed a team undertaking complicated calculations using very primitive computers. While at Los Alamos, Feynman became good friends with Hans Bethe, who at the end of the war secured a position for Feynman as an associate professor of physics at Cornell. Feynman remained at Cornell from 1945 to 1951. During this time he formalized his theory of quantum electrodynamics and began to publish his results. He also participated in the Shelter Island Conference of 1947, which helped to determine the course of American physics in the atomic age. At this conference he introduced his theory of QED to the leading American physicists.

In 1951, Feynman accepted an offer to become the Richard Chace Tolman Professor of Theoretical Physics at the California Institute of Technology, a position he filled until his death. While at Caltech Feynman continued his work at the leading edge of theoretical physics, making important contributions to the study of liquid helium, particle physics, and later quantum chromodynamics. He also began his distinguished career as a teacher and lecturer. In 1961 and 1962 he delivered to Caltech's freshmen the introductory lectures that were later published as *The Feynman Lectures on Physics*.

In 1986, Feynman was asked to serve on the Presidential Commission investigating the space shuttle Challenger accident. In a dramatic fashion, Feynman publicly demonstrated the inelasticity of the shuttle's O-rings at near freezing temperatures, a leading cause of the disaster. He also contributed an extended appendix to the Committee's report, highlighting the technical and administrative deficiencies of the National Aeronautics and Space Administration's space program.

Feynman's many interests outside of science, such as his fondness for codes and safecracking, his bongo drums, his theatrical appearances, his artwork, plus his experiments in out-of-body experiences, are well documented in his autobiographies, as well as in his papers at Caltech.

Feynman continued his scientific work and his lecturing activities up until his death on February 15, 1988, after a long battle with a rare form of cancer.

### Scope and Content of Collection

---

The working papers, correspondence, manuscripts and related materials of Richard Phillips Feynman (1918-1988) form the collection known as the Feynman Papers in the California Institute of Technology Archives. Feynman was the Richard Chace Tolman Professor of Theoretical Physics at Caltech from 1951 to 1988.

The Papers were gifted to Caltech by Richard Feynman and Gweneth Feynman in two main installments, beginning in 1968. Caltech has title to the Papers themselves, while the Feynman heirs retain literary and publication rights. The Feynman Lectures on Physics and the Lectures on Gravitation form an exception, in that Caltech is the copyright holder in these publications.

The first group of papers, now boxes 1-20 of the collection, was donated by Feynman himself in 1968 and added to from time to time during his lifetime. It contains materials dating from circa 1933 to 1970. The second group, comprising just under three-fourths of the whole collection, occupies boxes 21-90. It was given to Caltech by Feynman's widow Gweneth early in 1989. Group 2 contains papers primarily from the 1970s and 1980s, although some older material is present.

The two groups of papers have been kept separate, although box numbering is continuous throughout the collection. The guide to the collection is in two parts, and researchers must expect to consult both parts. At the time the second group of papers was processed, an effort was made to create an arrangement parallel to that of group 1. However, the different content and larger scope of group 2 eventually resulted in a somewhat different scheme.

#### Correspondence:

The Feynman collection contains a large amount of both incoming and outgoing correspondence. Feynman's scientific contacts include many of the greatest names in twentieth-century physics: Hans Bethe, Niels Bohr, Enrico Fermi, Stephen Hawking, Werner Heisenberg, J. Robert Oppenheimer, Hideki Yukawa--to name only a few. In Group 1, correspondence has been spread over four sections: correspondence (largely with individual colleagues), miscellaneous or general correspondence, publication correspondence, and, in the biographical section, a small number of personal letters.

For Group 2, an attempt was made to pull both personal, general, and publication correspondence into one main section, Section I. However, when letters demonstrated both intellectual and physical links with other documents, their original contextual relationships were maintained. Thus, publication correspondence will be found both in Section I and in Section VI. Fan mail surrounding Feynman's television appearances, his two autobiographies, and his Nobel Prize has been placed in Section II, Biographical, as has other correspondence relating to his business and consulting activities documented there.

#### Course and Lecture Notes:

Feynman's lecture courses at institutions in Southern California other than Caltech, and even outside the U.S., are represented in Group 2. Of special interest are the courses Feynman gave, in addition to those he attended, at Hughes Aircraft Company, and the sets of lectures that were later published as *Statistical Mechanics* and *QED* (originally the Mautner Lectures, which were in turn predated by the Robb Lectures, first delivered at the University of Auckland, New Zealand). Material pertaining to the publication of these lecture series is found in Group 2 correspondence under the respective publishers.

#### Talks, Speeches, Conferences:

In this category are those lectures delivered for a special occasion or purpose, usually as single lectures, but sometimes as a series, and in both formal and informal settings. This category overlaps somewhat with Course Notes and Lectures. In Group 1, these materials are to be found under Professional Organizations and Meetings (Section III) and Manuscripts (Section V). In Group 2, they are arranged under Section V in chronological order, when dated, and in a subsection of undated talks. Folders in this category contain a wide variety of talk-related documents, from holograph notes to correspondence to slides, figures, or transparencies.

#### Publications:

Group 1 contains a small section of publication correspondence (Group 1, Section IV), mostly pertaining to Feynman's book or monograph publishers; in Group 2, similar correspondence has been placed in the main correspondence section (Group 2, Section I). Group 2's Section VI lists Feynman's publications by title in chronological order. Folders contain a variety of material, from holograph notes to correspondence to proofs and prints. Researchers should note that formal reprints have been grouped at the end of Group 2, in Section IX.

#### Working Notes and Calculations:

The vast majority of Feynman's working notes are located in Group 2. A representative sample from his early years appears in Group 1, Section V. Of special interest in this group are notebooks from his student days, beginning ca 1933. The notes in Group 2 capture the breadth and depth of Feynman's thought, as well as reflecting many aspects of his personality. They cover a wide range of subjects, from quantum electrodynamics and later quantum chromodynamics to biology and computers. The notes also reflect Feynman's working style. They are sometimes carefully organized into notebooks that were rigorously dated, such as the binders dated between 1966 and 1987 at the beginning of Group 2, Section VII. Unfortunately for researchers, these are the exception. The great mass of Feynman's working notes are scattered on miscellaneous sheets of papers, envelopes, placemats, and seemingly whatever else was at hand when thoughts struck him. Feynman occasionally took time to organize these into a system for files, although only a small fraction of his notes found their way into such a system. The great majority was left in a scattered condition and grouped during the processing of the papers as well as possible by subject matter. Many miscellaneous papers remain.

---

#### Work of Others:

Feynman officially maintained neutrality on the work of his contemporaries, but informal commentaries in the form of notes and marginal glosses on the work of others abound in his papers. A small segment of such materials can be found in Group 1, Section V. A large amount of work by others, both with and without Feynman's commentary, forms Group 2's Section VIII. A preponderance of material on computers dictated an arrangement in which computer-related projects are categorized separately. Individuals whose work is strongly represented--largely Caltech colleagues, students, or collaborators--are listed singly; otherwise materials have been listed by subject.

#### Note on use of Guide:

In writing the guide to the collection, the archivists have observed certain conventions, particularly in the area of manuscript description. Square brackets ([ ]) are used to mark editorial insertions, such as titles created by the archivist which are not derived directly from the manuscripts themselves. Brackets are also used to signify unnumbered pages in a manuscript.

#### Indexing Terms

The following terms have been used to index the description of this collection.

##### Physicists

Bethe, Hans Albrecht, 1906-  
Bohr, Niels Henrik David, 1885-1962  
Fermi, Enrico, 1901-1954  
Hawking, Stephen W., 1942-  
Heisenberg, Werner, 1901-1976  
Oppenheimer, J. Robert, 1904-1967

##### Subjects

Computers  
Gravitation--Research  
Particles (Nuclear physics)  
Physics--Study and teaching  
Quantum chromodynamics  
Quantum electrodynamics  
Quantum theory  
Space shuttles--Accidents--Investigation--United States  
Challenger (Space shuttle)

##### Corporations

California Institute of Technology

##### Genres and Forms of Materials

Calculations  
Lecture notes  
Manuscripts  
Notebooks  
Technical notes

##### Related Collections

Researchers should also consult the Caltech Archives' Historical Files, which contain much miscellaneous material on Richard Feynman acquired from many sources. Similarly the Photo Archives offer a selection of images, obtained in a similar way. The Audio and Video Collections contain substantial Feynman material; researchers should consult the specific index.

---

Manuscript collections at Caltech which contain materials of particular relevance to Feynman include the Papers of Robert Leighton and the Caltech course lecture notes by Bruce H. Morgan.

## Group I

---

### Section I: Correspondence

Box 1, Folder 1	<b>American Philosophical Society 1968</b>
Box 1, Folder 2	<b>Anderson, Herbert L. 1961</b>
Box 1, Folder 3	<b>Ashkin, Julius 1950</b>
Box 1, Folder 4	<b>Australian National University (E. W. Titterton, M. L. Oliphant) 1950</b>
Box 1, Folder 5	<b>A Miscellaneous</b>
Box 1, Folder 6	<b>Bacher, Robert F. 1949-1950; 1961</b>
Box 1, Folder 7	<b>Beadle, George W., M.D.; 1967</b>
Box 1, Folder 8	<b>Bethe, Hans A. 1946, 1948, 1951, 1953</b>
Box 1, Folder 9	<b>Birge, Raymond T. 1945, 1947, 1949</b>
Box 1, Folder 10	<b>Bohm, David 1947</b>
Box 1, Folder 11	<b>Bohr, Niels 1962</b>
Box 1, Folder 12	<b>Breuckner, Keith 1961</b>
Box 1, Folder 13	<b>Bronk, Detlev 1961</b>
Box 1, Folder 14	<b>Brown, Laurie M. 1961</b>
Box 1, Folder 15	<b>Bush, Vannevar 1966-1967</b>
Box 1, Folder 16	<b>Butler, Stuart (Blatt, J. M.; Schafroth, M. R., 1955); 1960, 1968</b>
Box 1, Folder 17	<b>B Miscellaneous</b>
Box 1, Folder 18	<b>Chandrasekhar, Subrahmanyam 1966</b>
Box 1, Folder 19	<b>Chicago, University of, Lecture 1967</b>
Box 1, Folder 20	<b>Christy, Robert F. 1949</b>
Box 1, Folder 21	<b>Cohen, Arthur M. 1961</b>
Box 1, Folder 22	<b>Condon, Ed 1962-1964</b>
Box 1, Folder 23	<b>Corben, Bert and Malaika 1947-1964</b>
Box 1, Folder 24	<b>Creutz, Edward 1949</b>
Box 1, Folder 25	<b>Critchfield, Charles L. 1951</b>
Box 1, Folder 26	<b>C Miscellaneous</b>
Box 1, Folder 27	<b>Dresden, Max 1960</b>
Box 1, Folder 28	<b>DuBridge, Lee A. 1949</b>
Box 1, Folder 29	<b>DuMond, Jesse 1961, 1965-1966</b>
Box 1, Folder 30	<b>Dyson, Freeman 1948-1949</b>
Box 1, Folder 31	<b>D Miscellaneous</b>
Box 1, Folder 32	<b>Einstein Film 1961</b>
Box 1, Folder 33	<b>Employment Offers 1945-1947</b>
Box 1, Folder 34	<b>E Miscellaneous</b>
Box 1, Folder 35	<b>Fermi, Enrico 1951-1952</b>
Box 1, Folder 36	<b>Fernández-Moran, Humberto 1973</b>
Box 1, Folder 37	<b>F Miscellaneous</b>
Box 1, Folder 38	<b>Gell-Mann, Murray 1959</b>
Box 1, Folder 39	<b>General Electric 1946</b>
Box 1, Folder 40	<b>Goudsmit, Sam A. 1949, 1951</b>
Box 1, Folder 41	<b>Guth, Eugene 1960</b>
Box 1, Folder 42	<b>G Miscellaneous</b>
Box 2, Folder 1	<b>Heisenberg, Werner 1968</b>
Box 2, Folder 2	<b>Hessaby, Mahmoud 1967-1968</b>
Box 2, Folder 3	<b>Hirshberg, Richard 1952</b>
Box 2, Folder 4	<b>Hoffman, Banesh 1961</b>
Box 2, Folder 5	<b>H Miscellaneous</b>

**Section I: Correspondence**

---

Box 2, Folder 6	<b>I Miscellaneous</b>
Box 2, Folder 7	<b>Jehle, Herbert 1959; N.D.; 1966</b>
Box 2, Folder 8	<b>Judd, David L. 1960</b>
Box 2, Folder 9	<b>J Miscellaneous</b>
Box 2, Folder 10	<b>Keller, Joseph 1949</b>
Box 2, Folder 11	<b>Kerner, Ed 1949</b>
Box 2, Folder 12	<b>K Miscellaneous</b>
Box 2, Folder 13	<b>Lattes, Cesar 1949-1951</b>
Box 2, Folder 14	<b>Lévy, Maurice 1966</b>
Box 2, Folder 15	<b>Lomanitz, Ross 1960, 1965</b>
Box 2, Folder 16	<b>Luria, Salvador 1960</b>
Box 2, Folder 17	<b>L Miscellaneous</b>
Box 2, Folder 18	<b>Mano, Koichi 1965-1967</b>
Box 2, Folder 19	<b>Marshak, Robert E. 1957, 1960, 1965-1967</b>
Box 2, Folder 20	<b>Marshall, Leona 1960</b>
Box 2, Folder 21	<b>Andre Maurois Visit 1960-1961</b>
Box 2, Folder 22	<b>Mercereau, James E. 1952, 1964</b>
Box 2, Folder 23	<b>Metropolis, Nicholas 1949, 1966-1967</b>
Box 2, Folder 24	<b>Miniature Electric Motor 1960-1961, 1966</b>
Box 2, Folder 25	<b>MIT Centennial "The Future of Physics" 1960-1961</b>
Box 2, Folder 26	<b>Morette, Cecile 1950</b>
Box 2, Folder 27	<b>M Miscellaneous</b>
Box 2, Folder 28	<b>National Academy of Science 1959-1961, 1969-1970</b>
Box 2, Folder 29	<b>Neddermeyer, Seth H. 1949</b>
Box 2, Folder 30	<b>N Miscellaneous</b>
Box 2, Folder 31	<b>Oppenheimer, J. Robert 1946-1947, 1960</b>
Box 2, Folder 32	<b>O Miscellaneous</b>
Box 2, Folder 33	<b>Panofsky, Wolfgang 1951</b>
Box 2, Folder 34	<b>Perez-Mendez, Victor 1960</b>
Box 2, Folder 35	<b>Piccioni, Oreste 1960</b>
Box 2, Folder 36	<b>Prigogine, Ilya 1960</b>
Box 2, Folder 37	<b>P Miscellaneous</b>
Box 2, Folder 38	<b>Richtmyer, Robert D. 1946-1947</b>
Box 2, Folder 39	<b>Rojansky, Vladimir 1961</b>
Box 2, Folder 40	<b>R Miscellaneous</b>
Box 2, Folder 41	<b>Sandage, Allan 1968-1969</b>
Box 2, Folder 42	<b>Scalettar, Richard 1960</b>
Box 2, Folder 43	<b>Schiff, Leonard I. 1951, 1960-1961, 1969</b>
Box 2, Folder 44	<b>Segal, Irving 1960-1961</b>
Box 2, Folder 45	<b>Segré, Emilio 1961</b>
Box 2, Folder 46	<b>Seitz, Frederick 1946</b>
Box 2, Folder 47	<b>Smith, Lloyd P. 1947, 1950</b>
Box 2, Folder 48	<b>Smyth, H. D. 1945-1947</b>
Box 2, Folder 49	<b>Stahl, Franklin W. 1961</b>
Box 2, Folder 50	<b>Sutherland, Sir Gordon 1960</b>
Box 2, Folder 51	<b>Synge, John L. 1968</b>
Box 2, Folder 52	<b>S Miscellaneous</b>
Box 3, Folder 1	<b>T Miscellaneous</b>
Box 3, Folder 2	<b>Ulam, Stan M. 1960, 1970</b>
Box 3, Folder 3	<b>U Miscellaneous</b>
Box 3, Folder 4	<b>Von Neumann, John 1950</b>
Box 3, Folder 5	<b>V Miscellaneous</b>
Box 3, Folder 6	<b>Weinberg, Joseph 1948</b>
Box 3, Folder 7	<b>Weiner, Norbert 1961</b>
Box 3, Folder 8	<b>Weisskopf, Victor 1948, 1961-1962, 1964, 1966, 1970</b>
Box 3, Folder 9	<b>Welton, Theodore A. 1948-1950, 1952</b>
Box 3, Folder 10	<b>Wheeler, John A. (including notes on Feynman's thesis) 1942, 1945, 1949, 1951, 1961, 1966</b>
Box 3, Folder 11	<b>Wigner, Eugene P. 1946, 1949, 1955, 1965, 1968</b>

## Section I: Correspondence

---

Box 3, Folder 12	<b>Wilson, Thomas J. 1967</b>
Box 3, Folder 13	<b>W Miscellaneous</b>
Box 3, Folder 14	<b>Y Miscellaneous</b>
Box 3, Folder 15	<b>Zacharias, Jerrold R. 1951</b>
Box 3, Folder 16	<b>Z Miscellaneous</b>
Box 3, Folder 17	<b>Unidentified and Miscellaneous Items</b>

---

## Section II: Miscellaneous Correspondence

Box 3, Folder 18	<b>Army Scientific Advisory Panel 1954</b>
Box 3, Folder 19	<b>Program About "Time" 1957-1962</b>
Box 3, Folder 20	<b>Recommendations - People, Proposals</b>
Box 3, Folder 21	<b>"New Math" Letters I 1965</b>
Box 3, Folder 22	<b>"New Math" Letters II 1965-1968</b>
Box 3, Folder 23	<b>Students' Letters 1961-1970</b>
Box 4, Folder 1	<b>Acceptances 1948-1969</b>
Box 4, Folder 2	<b>Declinations 1949-1966</b>
Box 4, Folder 3	<b>1967, A - L</b>
Box 4, Folder 4	<b>1967, M - W</b>
Box 4, Folder 5	<b>1968</b>
Box 4, Folder 6	<b>1969</b>
Box 4, Folder 7	<b>1970, A - M</b>
Box 4, Folder 8	<b>1970, N - W</b>

---

## Section III: Professional Organizations And Meetings

### Conferences

Box 5, Folder 1	<b>International Colloquium on "Fundamental Particles and Nuclei" 1950</b>
Box 5, Folder 2	<b>Moscow Conference on Quantum Electrodynamics 1955</b>
Box 5, Folder 3	<b>Relativity and Gravitation, Warsaw, Poland 1962</b>
Box 5, Folder 4	<b>Galileo Conference, Italy 1964</b>

### Reports

Box 5, Folder 5	<b>Atomic Energy Commission, "The Calculation of Critical Masses Including the Effects of the Distribution of Neutron Energies" 1947</b>
Box 5, Folder 6	<b>Rochester Conference Notes ca 1955</b>
Box 5, Folder 7	<b>Evaluation of "A Rational Method of Forecasting Natural Gas Production and Discoveries" 1965</b>
Box 5, Folder 8	<b>Cornell Meeting on the Nature of Time 1965</b>
Box 5, Folder 9	<b>Proceedings, Conference on High Energy Two Body Reactions 1966</b>

---

## Section IV: Publication Correspondence

Box 5, Folder 10	<b>W. A. Benjamin, Inc. 1961-1966</b>
Box 5, Folder 11	<b>McGraw-Hill 1955-1966</b>
Box 5,	<b>Miscellaneous (2 folders)</b>
Folder Folders 12-13	

---

## Section V: Manuscripts

### Talks

Box 6, Folder 1	<b>"The Reaction of the Absorber as the Mechanism of Radioactive Damping" 1941</b>
Box 6, Folder 2	<b>"The Concept of Probability in Quantum Mechanics" 1950</b>
Box 6, Folder 2.1	<b>John Danz Lectures: 1963, University of Washington (correspondence and transcripts)</b>

---

	<b>Notes on Manuscripts</b>
Box 6, Folder 3	<b>Josephson Junction (Mercereau's work)</b>
Box 6, Folder 4	"Action at a Distance in Quantum Theory" by John Wheeler
Box 6, Folder 5	"On Field Theories with Non-Localized Interaction" by Claude Bloch
Box 6, Folder 6	"Radioactive Corrections to p-e Decay" by Sam M. Berman
Box 6, Folder 7	"Variational Determination of Atomic Wave Functions" by P. Morse and L. Young
	<b>Notes by Other Scientists</b>
Box 6, Folder 8	<b>Properties of Pi Mesons, Hans A. Bethe 1952</b>
Box 6, Folder 9	<b>Pion Photoproduction Formulas, R. L. Walker 1965</b>
	<b>Papers</b>
Box 6, Folder 10	"Closed Loop and Tree Diagrams" March 1967
Box 6, Folder 11	"The Present State of Quantum Electrodynamics" Solvay Conference 1961
Box 6, Folder 12	Abstract, "The Quantum Theory of Gravitation" 1964
Box 6, Folder 13	5 Slides and Paper T5 Theory of Positrons
Box 6, Folder 13.1	"Atom Theory of Liquid Helium" July 21, 1953 (Abstract of a paper to be presented at the Theoretical Physics Conference in Tokyo, September 1953. Notas de Fisica No. 12, 1953. Centro Brasileiro de Pesquisas Fisicas)
	<b>Notes for Other Lectures</b>
Box 6, Folder 14	"Theory and Application of Mercereau's Super-conducting Circuits" October 29, 1964
Box 6, Folder 15	"Current Algebras and Strong Interactions," Transcript 1966
Box 6, Folder 16	"Time in Physics and Evolutionary History" 1968 at Berkeley
Box 6, Folder 17	<b>Notes for Public Lectures (includes "Inertia")</b>
Box 6, Folder 18	<b>Manuscript ["Physics and the Constituents of Matter"]</b>
Box 6, Folder 19	<b>Manuscript, "Quantum Theory of Least Action"</b>
Box 6, Folder 20	Abstract, "The Qualitative Behavior of Yang-Mills Theory in 2+1 Dimensions" 1981
	<b>Lecture Notes for Courses</b>
Box 7, Folder 1	Untitled "405" 1946 (at Cornell University)
Box 7,	Quantum Mechanics 1947 (at Cornell University) Fall (folder 2); 2nd term (folder 3)
Folder Folders 2-3	
Box 7, Folder 4	<b>Advanced Quantum Mechanics (at Cornell)</b>
Box 7,	<b>High Energy Nuclear and Meson Phenomena 1951 (Brazil) (2 folders)</b>
Folder Folders 5-6	
Box 7, Folder 7	.6.1 Misc. Lecture Notes, Brazil, n.d.
Box 7, Folder 7	High Energy Phenomena and Meson Theories 1951 (at CIT)
Box 7, Folder 8	Quantum Mechanics (at CIT)
Box 7, Folder 9	Quantum Electrodynamics 1953 (at CIT)
Box 7, Folder 10	Quantum Electrodynamics and Meson Theories 1950 (at CIT)
Box 8, Folder 1	Theoretical Nuclear Physics (at CIT)
Box 8, Folder 2	Theory of High Energy Phenomena 1951 and Meson Theory Notes
Box 8, Folder 3	Electrodynamics
Box 8, Folder 4	Energy Flux; The Behavior of Waves
Box 8,	Quantum Electrodynamics and Meson Theories (at CIT) (folder 5) 1950; (folder 6) 1953
Folder Folders 5-6	
Box 8, Folder 7	<b>Statistical Mechanics and Kinetic Theory (at Cornell)</b>
Box 8, Folder 8	<b>Fenômenos no Estado Sólido 1963 (in Brazil)</b>
Box 9, Folder 1	<b>Physics Course, no title (Feynman ?)</b>
Box 9,	Lectures on Elementary Physics (folder 2) 1962; (folder 3) Physics IB notes, 1962; (folder 4) Physics IC notes, 1962
Folder Folders 2-4	
Box 9, Folder 5	Lectures on Gravitation 1962-1963
Box 9, Folder 6	Physics Course, Miscellaneous Notes, Exam Questions; Grade Book ca 1950
	<b>Correspondence re: Physics</b>
Box 10, Folder 1	Curriculum 1962-1966
Box 10, Folder 2	Lectures on Physics
Box 10,	Physics Problems (folder 3) 1946-1964; (folder 4) 1965- 1966; (folder 5) 1967-1968; (folder 6) 1969-1970
Folder Folders 3-6	
	<b>Notes and Calculations</b>
Box 11, Folder 1	Density Fluctuations in Fermi Gas
Box 11, Folder 2	Dirac Equation

## Section V: Manuscripts

---

Box 11, Folder 3	<b>Energy Levels of a Self-Interacting Atom, etc.</b>
Box 11, Folder 4	<b>Groups and Quantum Mechanics</b>
Box 11, Folder 5	<b>Harmonic Oscillators</b>
Box 11, Folder 6	<b>Helium</b>
Box 11, Folder 7	<b>Mathematical Functions and Self-Interacting Atom</b>
Box 11, Folder 8	<b>Mesons, Cosmic Rays</b>
Box 11, Folder 9	<b>Born Approximation of Yukawa Potential</b>
Box 12, Folder 1	<b>Meson Interaction</b>
Box 12, Folder 2	<b>Meson Theory</b>
Box 12, Folder 3	<b>Vector Charged Mesons</b>
Box 12, Folder 4	<b>Particles</b>
Box 12, Folder 5	<b>Phage</b>
Box 12, Folder 6	<b>Quantum Electrodynamics</b>
Box 12, Folder 7	<b>Radiationless Scattering</b>
Box 12, Folder 8	<b>Sedimentation</b>
Box 12, Folder 9	<b>"Space-Time Approach to Quantum Electrodynamics"</b>
Box 12,	<b>Superconductivity (2 folders)</b>
Folder Folders 10-11	
Box 13, Folder 1	<b>Theory of Positrons; Self-Energy in an Atom; Radiation Scattering; Spreading Dirac Packet</b>
Box 13, Folder 2	<b>WKB Approximation to Dirac Equation</b>
Box 13,	<b>Miscellaneous Notes (6 folders)</b>
Folder Folders 3-8	
	<b>Miscellaneous Manuscripts</b>
Box 14,	<b>Preprints of others, including notes and correspondence (5 folders)</b>
Folder Folders 1-5	
Box 14, Folder 6	<b>Codes</b>
Box 15, Folder 1	<b>Notes related to MIT senior thesis</b>
Box 15, Folder 2	<b>MIT senior thesis 1939</b>
Box 15,	<b>PhD thesis MSS (2 folders)</b>
Folder Folders 3-4	
	<b>Notes, University of Michigan Summer Symposium, from W. Nierenberg:</b>
Box 15, Folder 5	<b>Untitled 1947</b>
Box 15, Folder 6	<b>"Quantum Electrodynamics," by Julian Schwinger 1948</b>
Box 15, Folder 7	<b>"A New Approach to Quantum Electro- dynamics," by Feynman, taken by M. Fuchs and R. Riddell 1949</b>
Box 15, Folder 8	<b>Early MSS on Quantum Electrodynamics [n.d., post-1948]</b>
Box 15, Folder 9	<b>Untitled MS, typewritten 1951</b>
	<b>Miscellaneous Notebooks</b>
Box 16, Folder 1	<b>"The Calculus for the Practical Man" ca 1933 (photocopy; original in Niels Bohr Library, American Institute of Physics)</b>
Box 16, Folder 2	<b>High School Trigonometry and Advanced Algebra 1933</b>
Box 16, Folder 3	<b>Notebook ca 1933 and later</b>
Box 16, Folder 4	<b>Notebook of letters between Feynman and Theodore A. Welton 1935-1939</b>
Box 16, Folder 5	<b>"Notebook of Things I Don't Know About" 1940</b>
Box 17, Folder 1	<b>Notebook ca 1960: Biochemical Techniques re RNA and DNA; "Mutual Suppression of r Mutants of Bacteriophage T4D," note from Bob [Sinsheimer]</b>
Box 17, Folder 2	<b>Notebook [n.d.]: Quantum Electrodynamics; "The Present Situation in Quantum Electrodynamics," Solvay Conference 1961; memo, J. W. M. DuMond to Feynman, 27 January 1955, "Anomalous Magnetic Moment of the Electron;" other loose notes</b>

---

## Section VI: Biographical

	<b>Personal Correspondence</b>
Box 18, Folder 1	<b>Mary Louise Bell 1951-56</b>
Box 18, Folder 2	<b>Misc. Personal Correspondence 1943-1969</b>
Box 18, Folder 3	<b>Newspaper Clippings</b>
Box 18, Folder 4	<b>Photographs</b>
Box 18, Folder 5	<b>Biographical Information</b>

---

## Section VI: Biographical

---

### Awards

Box 18, Folder 6 Einstein Award 1954  
Box 18, Folder 7 E. O. Lawrence Award 1962  
Nobel Prize: See: Group 2, Section II  
National Academy of Sciences, Diploma of Election to Fellow, 27 April 1954 See: Group 2, Section X, Oversize  
Venice Nobel Prize Scroll, 5 February 1958 See: Group 2, Section X, Oversize

---

## Section VII: Audio And Video Material

### BBC programs:

Box 19 BBC-Horizons: "The Pleasure of Finding Things Out" 1982 (3/4" videotape); "Fun to Imagine" 1983 (2 3/4" videotapes)  
Box 19 Interview on "Viewpoint," KNXT TV, conducted by Bill Stout, ca 1957-1965 (audio cassette)  
Box 19 Feynman speaking at Far Rockaway High School, ca late 1960s (audio cassette)  
Box 19 Drum music from India: tape from Hildegard Lamfrom  
Box 20 "The Structure of the Proton," 10 May 1973 (3 videotapes in V-32 format)

## Group II

---

## Section I: Correspondence

### Declinations

Box 21, Folder 1 1972-73  
Box 21, Folder 2 1974-75  
Box 21, Folder 3 1976-79  
Box 21, Folder 4 1980-82  
Box 21, Folder 5 1983  
Box 21, Folder 6 1984  
Box 21, Folder 7 1985 Jan-July  
Box 22, Folder 1 1985 Aug-Dec  
Box 22, Folder 2 1986  
Box 22, Folder 3 1987

### Addison-Wesley, *Feynman Lectures on Physics*

Box 22, Folder 4 General correspondence 1964-68  
Box 22, Folder 5 Requests for copies, problem sets, etc. 1964-71  
Box 22, Folder 6 Corrections and additions 1964, 1975-76  
Box 22, Folder 7 Exercise Book 1964  
Box 22, Folder 8 Copyright clearances (Edward Ansell) 1984  
Box 22, Folder 9 Foreign editions 1964-88  
Box 22, Folder 10 Requests for permissions 1964-85  
Box 22, Folder 11 Reviews 1967-68  
Box 22, Folder 12 Addison-Wesley--W. A. Benjamin, Inc., *Statistical Mechanics* 1972-86  
Box 22, Folder 13 American Institute of Physics, Interview with C. Weiner, correspondence 1975-86  
Box 22, Folder 14 *American Scientist* 1973  
Box 22, Folder 15 Aspect, Alain 1984  
Box 22, Folder 16 A misc  
Box 22 A. T. & T. 1987  
Box 22 Abbott, Richard L. 1975  
Box 22 Ackerman, Diane 1979  
Box 22 Akerlof, Carl W. 1981  
Box 22 Allen, Robert F., Jr. 1981  
Box 22 Alumni Association, CIT 1983  
Box 22 Alvarez, Luis W. 1979 See also: Section II, Nobel Prize  
Box 22 Amati, D. 1976

---

**Section I: Correspondence**

---

Box 22 American Association for the Advancement of Science 1974  
Box 22 Andersen, Bjorn 1976  
Box 22 Andrade, P. da R. 1972  
Box 22 Andrews, Mildred, Fund 1987  
Box 22 Andronikashvili, E. L. 1974 See also: Petrac, Dusan  
Box 22 Angelidis, T. D. 1977  
Box 22 Arlick, Alfred B. 1972  
Box 22 Arth, Michael E. 1986  
Box 22 Ashkin, Julius and Claire 1984  
Box 22 Aspden, Harold 1974  
Box 22 Aspen Center for Physics 1978  
Box 22 Associated Students of Caltech 1982  
Box 22 Augousti, Andy 1982  
Box 22 Auno [?], Shigeyuki 1988  
Box 22 Ayers, R. D. 1976  
Box 22 Ayres, Herbert F. 1984 See also: Section VIII, Unsolicited manuscripts  
Box 22 Anonymous 1983, n.d.  
Benjamin, W. A., Inc.  
Box 23, Folder 1 General Correspondence 1962-74  
Box 23, Folder 2 General Correspondence (includes Benjamin/Cummings Publishing Co.) 1976-84  
Box 23, Folder 3 *Photon-Hadron Interactions* 1972  
Box 23, Folder 4 Bethe, Hans 1965-66, 1975, 1978, 1983 See also: Section II, Nobel Prize  
Box 23, Folder 5 Birkhäuser Boston Inc., RPF Collected Works 1982-83  
Box 23, Folder 6 Bjorken, James D. 1978-79 See also: Section VIII  
Box 23, Folder 7 Blackmarr, Philip 1979-85 See also: Section VIII  
Box 23, Folder 8 Bohm, David 1976 See also: Routledge and Kegan Paul  
Box 23, Folder 9 Bohr, Aage and family 1974-79  
Box 23, Folder 10 Bohr, Niels, Institute 1978  
Bogazici University See: Hacinliyan, Avadis  
Box 23, Folder Folders 11-14 British Broadcasting Corporation (BBC) (folder 11) 1964-68; (folder 12) 1973-87; (folder 13) "The Hunting of the Quark" (script and notes) [1974?] (folder 14) "The Pleasure of Finding Things Out" (script) 1981 See also: Cornell University, Messenger Lectures  
Box 23, Folder 15 B misc  
Box 23 Baca, Rosemary 1980  
Box 23 Bader, Richard 1978  
Box 23 Bate, Edward R. 1980  
Box 23 Bateman Eichler 1979  
Box 23 Belcher, Harold H. 1974  
Box 23 Bentley, Robert 1987  
Box 23 Bergman, Merle n.d. and 1984  
Box 23 Berliner, Elena 1974  
Box 23 Billig, Marin 1975  
Box 23 Biofuel, Inc. 1979  
Box 23 Black, Stephen 1972  
Box 23 Blass, Walter 1986  
Box 23 Blau, Shawn 1975  
Box 23 Blumberg, A. J. 1976  
Box 23 Bowden, Lt. Joseph 1973  
Box 23 Bowland, R. A. 1981  
Box 23 Bowlby, J. 1975  
Box 23 Boy Scouts 1972  
Box 23 Bradley, William G. 1984  
Box 23 Braude, Ben 1975  
Box 23 Brink, L. and Olive, D. 1973  
Box 23 Brossard, Rev. Gabriel 1970  
Box 23 Brown, Gov. Edmund G., Jr. 1975  
Box 23 Brown, Rita 1982  
Box 23 Brown, W. K. 1978

**Section I: Correspondence**

---

Box 23                    **Brownstein, L. 1976**  
Box 23                    **Brynjolfssen, Ari 1981**  
Box 23                    **Burkle E, Jorge 1972**  
Box 23                    **Burks, Arthur W. 1976**  
Box 23                    **Bushman, Bruce E. 1975**  
Box 23                    **Bustamente Llaca, Enrique 1979**  
Box 23                    **Buttke, Thomas F. 1987**  
Box 23                    **Byam, Clark R. 1985**  
Box 23, Folder 16       **Calandra, Alexander 1968-79**  
                             **Cambridge University Press, *Dirac Memorial Lectures***  
Box 23, Folder 17       **Dirac Memorial Volume (proposed) 1985-86**  
Box 23,                    ***Elementary Particles...Dirac Memorial Lectures: Correspondence and documents (folders 18-19) 1986;***  
Folder Folders 18-20   ***(folder 20) 1987***  
Box 24, Folder 1       **Edited page proofs 1987**  
Box 24, Folder 2       **Weinberg lecture**  
Box 24, Folder 3       **Artwork**  
Box 24, Folder 4       **Cambridge University Press, book on superstrings 1987**  
Box 24, Folder 5       **Cheng, Ta-Pei 1975**  
Box 24, Folder 6       **Clark, Terence 1983-85**  
Box 24,                    **Cornell University, Messenger Lectures ( *The Character of Physical Law*) (folder 7) 1963-66; (folder 8)**  
Folder Folders 7-8     **1967-86**  
                             **Cortines, Ramon See: Pasadena Unified School District**  
                             **Cowan, Glen See: Ginzburg, V. L.**  
Box 24, Folder 9       **Crick, Francis H. C. 1978-84**  
Box 24, Folder 10      **Cushing, James T. 1985**  
                             **C misc (2 folders)**  
Box 24, Folder 11      **Cabrera, Blas 1982**  
Box 24                    **Cahill, Kevin 1975**  
Box 24                    **Cahn, Bob, and Colglazier, Bill 1973**  
Box 24                    **Cahn, Judah 1983**  
Box 24                    **Calendar, Richard 1975**  
Box 24                    **California Museum of Science and Industry 1973**  
Box 24                    **Caltech Y 1978**  
Box 24                    **Campbell, David 1977 (with photos)**  
Box 24                    **Canadian Broadcasting Corporation 1978**  
Box 24                    **Carlisle, E. Fred 1977**  
Box 24                    **Cary, K. 1979**  
Box 24                    **Cassell, Bennett H. 1981**  
Box 24                    **Chacko, Thomas 1974**  
Box 24                    **Challis, L. J. 1974**  
Box 24                    **Chang, Lee 1979-81**  
Box 24                    **Chang, Wen-yu 1981**  
Box 24                    **Chang, W. S. 1973**  
Box 24                    **Channel City Club 1965**  
Box 24                    **Chen, Ning Yang (Frank) 1982**  
Box 24                    **Cheng, Hung 1977**  
Box 24                    **Chou, Pei-yuan 1973 See also: Wu, Yu-hsun**  
Box 24                    **Chown, Marcus 1982**  
Box 24                    **Christopherson, Mary L. 1986**  
Box 24                    **Chubatow, George 1974**  
Box 24                    **Cirker, Hayward 1981**  
Box 24                    **Cisneros, Arturo 1984**  
Box 24                    **Clark, J. Kent 1976**  
Box 24                    **Cocconi, Giuseppe 1976-80 See also: Weisskopf, Victor**  
Box 24                    **Cohen, David B. 1975**  
Box 24                    **Cohen, Michal 1985 (cryptograph)**  
Box 24                    **Colasuona, Gary 1972**  
Box 24, Folder 12      **Colglazier, William 1972**

---

**Section I: Correspondence**

---

Box 24 Colgrove, R. C. 1978  
Box 24 Colcutt, Bertram 1985  
Box 24 Columbia University 1976  
Box 24 Committee of Concerned Scientists 1975  
Box 24 Contogouris, A. P. 1979  
Box 24 Counts, Richard W. 1978  
Box 24 Coutts, Robert See: Van Nuys High School  
Box 24 Cox, Beulah 1975  
Box 24 Crabtree, James H. 1985  
Box 24 Crease, Robert 1985  
Box 24 Cremer, George D. 1975  
Box 24 Creveling, R. A. 1974  
Box 24 Crnkovich, Joseph 1974  
Box 24 Cronin, James W. 1972  
Box 24, Folder 13 Devreese, J. T. 1973-82  
Box 24, Folder 14 Drell, Sidney 1973-78  
Box 24, Folder 15 D misc  
Box 24 Davis, J. 1979  
Box 24 Davis, Monte 1982  
Box 24 Deb, B. M. 1973  
Box 24 De Martini, F. 1986  
Box 24 Demetriades, Donna 1985  
Box 24 Desert Sun School 1965  
Box 24 Dewdney, A. K. 1982  
Box 24 DeWire, John 1976  
Box 24 Diaz Jimenez, Alfonso 1979  
Box 24 Dickinson, J. Thomas 1985  
Box 24 Dijkhuis, G. C. 1979  
Box 24 Dixon, Paul 1975  
Box 24 Dixson, William 1976  
Box 24 Dodson, Jeffrey 1974  
Box 24 Donnelly, Russell J. 1974  
Box 24 Driessen, Patrick 1980  
Box 24 Dubois, Gregory 1981  
Box 24 DuMond, Jesse 1972 See also: Sections V, VIII  
Box 24 Dunham, G. L. 1972  
Box 24 Dyakonov, D. I. 1986  
Box 24 Dychiao, Benito, Jr. 1983  
Box 24 Dy-Liacco, Rafael 1978  
Erhard, Werner See: est Foundation  
Box 24, Folder 16 Esalen Institute 1974, 1983-86 See also: Sarfatti, J.  
Box 25, Folder 1 est Foundation 1977-87  
Box 25, Folder 2 E misc  
Box 25 Edwards, A. W. J. 1975  
Box 25 Ehrlich, Eleanor 1982 (with photo)  
Box 25 Einaudi, Giulio, Editore 1978  
Box 25 Elcaness, Harold 1987  
Box 25 Elias, Isidor 1985  
Box 25 Elliott, R. S. 1965  
Box 25 Ellis, Stephen D. 1974  
Box 25 Elser, Veit 1980  
Box 25 Encyclopedia Britannica 1972  
Box 25 Escobar, Carlos O. 1973  
Box 25 Etheridge, Lloyd S. 1979  
Box 25 Eyges, Trudy 1974 (with photo)  
Box 25 Ezawa, Zyun F. 1973  
Box 25, Folder 3 Fox, Geoffrey 1974 See also: Section VIII  
Box 25, Folder 4 Fritzsich, Harald 1977-78

---

**Section I: Correspondence**

---

Box 25, Folder 5      **F misc**  
Box 25                    **Faissner, Helmut 1972**  
Box 25                    **Farber, Yetta 1982**  
Box 25                    **Farmelo, Graham 1975**  
Box 25                    **Feinberg, Jack 1972**  
Box 25                    **Fernandez-Moran, Humberto 1972**  
Box 25                    **Ferreira, Ricardo 1975**  
Box 25                    **Feynman, Carl n.d. Feynman, Debbie 1985**  
Box 25                    **Field, R. D. 1977 See also: Section VIII**  
Box 25                    **Finkelstein, David 1975**  
Box 25                    **Fiola, Harvey 1974**  
Box 25                    **Fischbach, E. 1986**  
Box 25                    **Fisher, Michael E. 1977**  
Box 25                    **Fletcher, C. H. 1977**  
Box 25                    **Flynn, Thomas 1979**  
Box 25                    **Ford, Kenneth 1982, 1987**  
Box 25                    ***Foundations of Physics* 1986**  
Box 25                    **Frank, Evelyn 1973, n.d.**  
Box 25                    **Franzini, P. 1973**  
Box 25                    **Frederick, D. E. 1972**  
Box 25                    **Fredkin, E. 1973-74, 1982**  
Box 25                    **Freeman, Gordon 1986**  
Box 25                    **Freinkel, Carol 1975**  
Box 25                    **Frenkel, V. 1972**  
Box 25                    **Frigyes, Sziklai n.d. Frind, A. 1972**  
Box 25                    **Fröhlich, Andreas 1975**  
Box 25                    **Funkhouser, A. J. 1973**  
**Gell-Mann, Murray See: Section II, Nobel Prize, Swedish Royal Academy of Science; Section VIII**  
Box 25, Folder 6      **Ginzburg, V. L. (Glen Cowan) 1971-86**  
**Goldberger, Marvin See: Section II, Orbisphere Corp.**  
**G misc (2 folders)**  
Box 25, Folder 7      **Gale, George 1987**  
Box 25                    **Garcia, Armando 1985**  
Box 25                    **Garcia, Franco Miralles 1969**  
Box 25                    **Gardner, Ann 1985**  
Box 25                    **Garrett, Anthony 1982**  
Box 25                    **Gelbard, Martin 1983**  
Box 25                    **Genz, H. 1987 (Meyers Grosses Universal- Lexikon)**  
Box 25                    **George, Alexander 1975**  
Box 25                    **Gibson, Malcolm 1972**  
Box 25                    **Gilde, Hans-Georg 1974**  
Box 25                    **Gill, Tepper 1977-79 Gillingham, Peter N. 1975**  
Box 25                    **Glashow, Shelly 1979**  
Box 25                    **Gleeson, Austin 1986**  
Box 25                    **Gold, Steven 1972**  
Box 25                    **Gold, Thomas 1972**  
Box 25                    **Goldberg, Irwin See: Gold, Steven**  
Box 25, Folder 8      **Goldin, Fletcher 1987**  
Box 25                    **Goldin, Yair 1982**  
Box 25                    **Goldman, Stanford 1976**  
Box 25                    **Goodall, Marcus n.d.**  
Box 25                    **Goodstein, David, 1975, n.d. See also: Section VIII**  
Box 25                    **Gossick, B. R. 1973**  
Box 25                    **Gottfried, Kurt 1975**  
Box 25                    **Gotzb-Meyer, Z. 1976**  
Box 25                    **Goulianos, Dinos 1980**  
Box 25                    **Gozzi, E. 1982**  
Box 25                    **Graphic Films Corp. See: Novros, Lester**

**Section I: Correspondence**

---

Box 25 Gray, Harry [alias Judge Carter] and Shirley 1978  
Box 25 Greenberg, O. W. and Yodh, G. B. 1974  
Box 25 Griffin, David 1983  
Box 25 Grossberg, Stephen 1983  
Box 25 Guberman, J. 1977-78 Guerrero, Fausto H. 1983  
Box 25 Gunion, John F. 1978, 1982  
Box 25, Folder 9 Hawking, Stephen 1977-78  
Box 25, Folder 10 Hey, Tony and Jessie 1972, 1977  
Hillis, Danny See: Thinking Machines Corporation  
Box 25, Folder 11 Hoyle, Sir Fred 1974  
Box 25, Folder 12 Hughes Aircraft Company 1975-83  
H misc (2 folders)  
Box 25, Folder 13 Hacinliyan, Avadis 1982 (Bogazici University)  
Box 25 Hagedorn, R. 1976  
Box 25 Halpern, Howard S. 1976  
Box 25 Hamilton, David 1975  
Box 25 Hamilton, Douglas 1978-79  
Box 25 Hamilton, Jim n.d.  
Box 25 Hamm, Richard 1979  
Box 25 Hammer, Preston C. 1975  
Box 25 Hamming, R. 1983  
Box 25 Hammond, George 1976  
Box 25 Handler, Sheryl 1984  
Box 25 Hanft, Bernard 1985  
Box 25 Hansma, Paul K. 1985  
Box 25 Harcourt Brace Jovanovich 1972  
Box 25 Harriman, Peter N. 1987  
Box 25 Harris, Jay H. 1976  
Box 25 Hart, Michael H. 1980  
Box 25 Harvey Mudd College 1974-87  
Box 25 Hartle, James B. 1987  
Box 25 Hasty, Ben 1973  
Box 25 Hawkins, David 1975  
Box 25 Hayes, Miles V. 1984  
Box 25 Heaney, Michael B. 1982  
Box 25 Heisenberg, Werner 1976  
Box 25 Heller, Peter 1981  
Box 25 Hellworth, Robert 1974  
Box 25 Henley, Christopher 1978  
Box 25 Henrich, C. J. 1975  
Box 25 Henry, Richard C. 1983  
Box 25 Hetherington, James S. 1960  
Box 25 Heusch, Clemens 1976  
Box 25 Hewlett-Packard 1987  
Box 25, Folder 14 Hibbs, Bart 1972  
Box 25 Higbie, J. 1975  
Box 25 Hight, Carl 1981  
Box 25 Hill, John J. 1963  
Box 25 Hingert, H. B. 1973  
Box 25 Hinkley, Roy 1984  
Box 25 Hird, Chuck 1985  
Box 25 Hobart, Robert 1972  
Box 25 Hobson, Victor G. 1981  
Box 25 Hoddeson, Lillian 1979  
Box 25 de Hoffman, Frederic 1982  
Box 25 Hofstadter, D. R. 1975-76  
Box 25 Höhler, G. 1974  
Box 25 Honig, William 1973

**Section I: Correspondence**

---

Box 25                    **Hopfield, John See: Landauer, Rolf See also: Section VIII**

Box 25                    **Hora, Heinrich 1986**

Box 25                    **Horowitz, Alan 1986**

Box 25                    **Houston, Heidi 1983**

Box 25                    **Hsu, Chang-pen 1983**

Box 25                    **Hsu, J. P. 1973**

Box 25                    **Hu, Ning 1985**

Box 25                    **Hubbard, J. 1976**

Box 25                    **Hudár, Andrej 1976**

Box 25                    **Hudson, John Lee 1983**

Box 25                    **Huggins, Elisha 1982**

Box 25                    **Hwa, Rudolph 1973**

Box 25                    **Hyde, Ron 1974**

**International Thinking Machines Corporation See: Thinking Machines Corporation**

Box 25, Folder 15       **Iran, Ministry of Science and Higher Education 1975**

Box 25, Folder 16       **I misc**

Box 25                    **IBM 1985**

Box 25                    **Ihinger, Robert 1987 (cryptograph)**

Box 25                    **Imich, Alexander 1987**

Box 25                    **Indiana University 1974**

Box 25                    **Ireland, Karin 1987**

Box 25                    **Irvine, Clyde 1974-75 Isaacson, Michael 1985**

Box 25                    **Islam, M. M. 1979**

Box 25                    **Israel Institute of Technology See: Technion**

Box 25, Folder 17       **Jackiw, Roman 1982-83 See Also: Section VIII**

Box 25, Folder 18       **J misc**

Box 25                    **Jackson, Dave 1975**

Box 25                    **Jackson, Philip, Jr. 1976**

Box 25                    **Jacobs, Morris 1987**

Box 25                    **Jaeger, Janice 1975**

Box 25                    **Johnson, Carl 1975**

Box 25                    **Jonas, R. Robert 1972-73**

Box 25                    **Jordan, Amzie B. 1986**

Box 25                    **Joseph, John and Pat 1986 (with photo)**

Box 25                    **Juarez, Franklin 1975**

Box 25                    **Judd, A. Bradford 1986**

Box 25                    **Julesz, Bela 1977 See also: Section VIII**

Box 26, Folder 1        **KEK National Laboratory for High Energy Physics [Japan] 1981**

Box 26, Folder 2        **Koji, Tetsu 1979-82**

Box 26, Folder 3        **K misc**

Box 26                    **Kac, Mark 1984**

Box 26                    **Kamin, O. 1982**

Box 26                    **Karim, Munawar 1973**

Box 26                    **Karplus, Robert 1973**

Box 26                    **Katcoff, David n.d. Katzenstein Associates 1985**

Box 26                    **Kauffmann, Fred 1973**

Box 26                    **Kauffmann, Kenneth 1973**

Box 26                    **KCET 1982**

Box 26                    **Kee, Richard 1978**

Box 26                    **Keller, Evelyn Fox 1983**

Box 26                    **Kemper, G. Kenneth 1985**

Box 26                    **Kendall, H. W. 1973**

Box 26                    **Kim, D. Y. 1980**

Box 26                    **Kish, Andrew W. 1977**

Box 26                    **Kistiakowsky, Vera 1972**

Box 26                    **Kittel, W. 1981**

Box 26                    **Kleinman, David 1979**

Box 26                    **Klinger, Yehuda 1972**

---

**Section I: Correspondence**

---

Box 26 Kounosu, S. 1972  
Box 26 Kovac, Sándor 1985 (with photo)  
Box 26 Krakowski, M. 1965  
Box 26 Kramer, Bruce M. 1980  
Box 26 Krieger, M. H. 1986  
Box 26 Kriegsman, Sali Ann 1975  
Box 26 Krier, Timothy 1977  
Box 26 Krinsky, Sam 1974  
Box 26 Krysac, L. C. 1987  
Box 26 Kumar, T. S. Mohan 1975  
Box 26 Kursunoglu, Behram See: Cambridge University Press, Dirac Memorial Volume  
Box 26 Kurti, Susannah and Camilla 1980  
Box 26, Folder 4 Lectro-Media, Ltd. 1978  
Box 26, Folder 5 Lederman, Leon M. 1981-82  
Box 26, Folder 6 Lenart, Yvonne 1980 (cryptographic lock)  
Box 26, Folder 7 LEX (Language Experience, Experiment & Exchange, with photo) 1987  
Box 26, Folder 8 L misc  
Box 26 Latham, John 1983  
Box 26 Lancaster, Anthony et al. 1976  
Box 26 Landauer, Rolf and Hopfield, John 1982 See also: Section VIII  
Box 26 Lasarow, Marilyn 1981  
Box 26 Laufer, A. R. 1976  
Box 26 Lauritsen, Charles and Thomas 1973  
Box 26 Leadstone, G. S. 1986  
Box 26 Lee, Benjamin W. 1972-73  
Box 26 Lee, Mary D.  
Box 26 Lefebvre, Vladimir 1983  
Box 26 Lehmkuhl, Egon 1975  
Box 26 Leighton, Robert B. 1974, n.d.  
Box 26 Lentz, Harris 1975  
Box 26 Leonard, Marston C. 1974  
Box 26 Lessard, Amos J. 1983  
Box 26 Leuliette, Eric W. 1984  
Box 26 Levin, Max 1977  
Box 26 Lewis, Rodney 1981  
Box 26 Liberman, David 19974  
Box 26 Light Impressions 1986 (with holograms)  
Box 26 Linnebach, Egbert 1982  
Box 26 Lipkin, Harry 1972-73  
Box 26 List, John 1983  
Box 26 López, Arturo 1977  
Box 26 Lukes, T. 1978  
Box 26 Luttermoser, R. L. 1972  
Box 26 Lynch, Robert E. 1973  
Box 26 Lyntelon [?], Ray 1975  
Box 26 Lyons, Harold 1983  
Box 26, Folder 9 Malina, Frank ( *Leonardo*) 1974-76  
Box 26, Folder Folders 10-11 Massachusetts Institute of Technology (MIT) Press *The Character of Physical Law* (folder 9) 1966-69; (folder 10) 1970-83  
Mautner, Leonard and Alix See: Section II, Biographical Miscellany, and Section IV, Mautner Lectures  
McGraw-Hill Book Company  
Box 26, Folder 12 *Quantum Mechanics and Path Integrals* 1964-67, 1973  
Box 26, Folder 13 General Correspondence 1986  
McLellan, William See Section II, Biographical Miscellany  
Box 26, Folder 14 Minnesota Mining and Manufacturing (3M) 1987  
Box 26, Folder 15 Mückenheim, W. 1984-86 See also: Routledge and Kegan Paul  
M misc (2 folders)  
Box 26, Folder 16 Mackintosh, A. R. 1974

---

**Section I: Correspondence**

---

Box 26 **Macomber, J. D. 1974**  
Box 26 **Malek, S. J. ca 1981**  
Box 26 **Mancini, Frank P. n.d.**  
Box 26 **Manders, Jeanne 1962, 1973**  
Box 26 **Mannheim, Philip 1975**  
Box 26 **Marbois, Richard 1987**  
Box 26 **Marcus, David 1975-79**  
Box 26 **Marneus, Shirley 1977**  
Box 26 **Marsh, Antony R. 1972**  
Box 26 **Martin, Brian 1987**  
Box 26 **Martin, George M. 1979**  
Box 26 **Martin, Richard M. See: Xerox Corporation**  
Box 26 **Mathematical Association of America 1965**  
Box 26 **McCalley, Karl 1984**  
Box 26 **McClellan, Larry 1979**  
Box 26 **McConnell, R. A. 1983-84**  
Box 26 **McConnell, William L. 1975**  
Box 26 **McEwan, Stephanie A. 1980**  
Box 26 **McKay, John 1979**  
Box 26 **McGill, William See: Columbia University**  
Box 26 **McNift, Virginia 1975**  
Box 26 **Megee, Robert 1987**  
Box 26 **Melbourne High School 1965**  
Box 26 **Mermin, David 1984**  
Box 26 **Messing, Fredric 1977**  
Box 26 **Michel, Curtis 1975**  
Box 26 **Miles, John W. 1982**  
Box 26 **Miller, B. G. 1975**  
Box 26 **Miller, R. T. 1974**  
Box 26 **Milton, Kim 1978 (with photo)**  
Box 26 **Minguillon, Mark 1976**  
Box 26 **Minicon 1987**  
Box 26 **Mitescu, Catalin See: Pomona College**  
Box 26, Folder 17 **Mitra, P. 1973**  
Box 26 **Miyazawa, H. 1985**  
Box 26 **Moeller, Charles R. 1985**  
Box 26 **Moore, Maxine Ruth (and various aliases) 1975-82**  
Box 26 **Moore, Richard 1977-78**  
Box 26 **Morris, Robert 1976**  
Box 26 **Morrison, Douglas R. O. 1976**  
Box 26 **Morrison, Philip 1972**  
Box 26 **Moss, Arthur 1974**  
Box 26 **Muir, John, High School See: Sallee**  
Box 26 **Muldowney, P. 1982**  
Box 26 **Muller, Richard 1979**  
Box 26 **Munger, Edwin 1975**  
Box 26 **Myers, John M. 1978**  
Box 26, Folder 18 **Nemec, Donald 1975-83 (out-of-body experiments) See also: Section VIII**  
**Nobel Prize See: Section II**  
**Norton, W. W. and Company, Inc.**  
Box 27, ***Surely You're Joking, Mr. Feynman* (folder 1) Correspondence and documents 1983-87; (folder 2)**  
Folder Folders 1-2 **Reviews**  
Box 27, Folder 3 **What Do You Care What Other People Think? 1988**  
Box 27, Folder 4 **N misc**  
Box 27 **Naidis, Mark 1975**  
Box 27 **National Energy Foundation 1985**  
Box 27 **Nauenberg, Uriel 1973**  
Box 27 **Neusner, Jacob 1987**

---

**Section I: Correspondence**

---

Box 27                    **Neva, William 1975**  
Box 27                    **Newman, Joan T. 1986**  
Box 27                    **Newman, Thomas H. 1985-86**  
Box 27                    **Newsweek 1975**  
Box 27                    **New York Academy of Sciences 1987**  
Box 27                    **Nielsen, Ole H. See: Xerox Corporation**  
Box 27                    **Nippell, Janet See: Yandell, Ben**  
Box 27                    **Nishikawa, Tetsuji 1981**  
Box 27                    **Nissim-Sabat, Charles 1982**  
Box 27                    **Nosanov, L. H. See: Zimmerman, W.**  
Box 27                    **Novaco, Anthony D. 1976**  
Box 27                    **Novros, Lester 1975**  
Box 27                    **Nuttall, David 1975**  
Box 27                    **Nylander, James 1987**  
Box 27, Folder 5        **Oppenheimer, Frank 1974, 1980**  
Box 27, Folder 6        **Organization of American States (OAS), Mexico Trip 1972**  
                              **Onsager, Lars See: Section II, Nobel Prize**  
  
Box 27, Folder 7        **O misc**  
Box 27                    **O'Conner, Jim n.d.**  
Box 27                    **Oehler, Kathy 1974**  
Box 27                    **Okun, Lev 1985-87 See also: Section VI, QED, Russian Edition**  
Box 27                    **Olds, R. H. 1985**  
Box 27                    **Olum, Paul 1974**  
Box 27                    **OMNI Publications 1979**  
Box 27                    **Optican, Lance Michael 1969**  
Box 27                    **Orange Unified School District 1984**  
Box 27                    **Ord, Garnet 1982**  
Box 27                    **Osowitz, B. M. 1975**  
Box 27                    **Oxford English Dictionary Supplement 1976**  
Box 27                    **Oxford University Press 1978**  
Box 27, Folder 8        **Pasadena Unified School District 1976-77**  
Box 27, Folder 9        **Pauling, Linus and Ava Helen 1965, 1985-86**  
Box 27, Folder 10       **Peierls, Rudolf 1972-73**  
Box 27, Folder 11       **Permissions, miscellaneous 1972-87**  
Box 27, Folder 12       **Physical Society of Japan 1965-79**  
Box 27, Folder 13       **Platzman, Phil 1985 See also: Section VIII**  
                              **Princeton University Press, QED: *The Strange Theory of Light and Matter***  
                              **Correspondence and documents 1983-88 (with photos)**  
                              **Foreign editions 1985-88 See also: Section VI**  
                              **Book with Feynman's corrections**  
                              **Reviews 1985-87**  
Box 27, Folder 14       **Fan and congratulatory mail 1986-87**  
  
                              **P-Q misc (2 folders)**  
Box 28, Folder 1        **Pacilio, Nicola 1975**  
Box 28                    **Packard, Richard See: Williams, Gary**  
Box 28                    **Page, Don. N. 1978**  
Box 28                    **Page, Ralph 1975**  
Box 28                    **Pagels, Heinz 1974**  
Box 28                    **Paine, Allen 1983**  
Box 28                    **Pakvasa, Sandip 1980**  
Box 28                    **Palmer, Leigh 1987**  
Box 28                    **Palmer, Michael 1974**  
Box 28                    **Parkovic, Marko 1973**  
Box 28                    **Pasadena Public Library 1987**  
Box 28                    **Patera, Elena 1982 (with clipping)**  
Box 28                    **Patterson, John W. 1979**  
Box 28                    **Patterson, Neil 1985**  
Box 28                    **Paulson, Dennis 1983**

**Section I: Correspondence**

---

Box 28 Pell, Erik M. 1976  
Box 28 Petrac, Dusan 1975  
Box 28 Phelan, J. J. 1977  
Box 28 Phillips, Edward 1974  
Box 28 Phillips, Gregory 1973  
Box 28 *Physics Review* 1977  
Box 28 Piccioni, Oreste 1972, 1978, 1981  
Box 28 Pierce, John R. 1974  
Box 28 Piernick, D. K. 1972  
Box 28 Pierre, Christian 1987  
Box 28 Pines, David 1987  
Box 28 Pipkin, Jill 1975  
Box 28 Pippard, A. B. 1974  
Box 28 See also: Patterson, John W.  
Box 28, Folder 2 Plozai, Anthony 1977-78  
Box 28 Plubell, Philip E. 1976, 1979, 1981  
Box 28 Podell, Howard I. 1987  
Box 28 Pomona College 1974, 1982 (Mitescu, Catalin)  
Box 28 Post, Jonathan V. 1982  
Box 28 Post, William D. 1987  
Box 28 Potter, Frank 1984  
Box 28 Precision Film Group 1981  
Box 28 Prescott, Charles 1978  
Box 28 Privateer, Paul 1983  
Box 28 Public Broadcasting Associates 1986  
Box 28 Pugwash Conferences 1982  
Box 28 Quigley, Robert 1972  
Box 28, Folder 3 Reference, letters of, miscellaneous 1972-87  
Box 28, Folder 4 Riordan, Edward M. 1973  
Box 28, Folder 5 Riordan, Michael 1983-85  
Box 28, Folder 6 Routledge and Kegan Paul, "Negative Probability," in *Quantum Theory and Beyond: Essays in Honour of David Bohm* Correspondence and documents 1984-85  
Box 28, Folder 7 R misc  
Box 28 Rainwater, James 1975  
Box 28 See also: Section II, Nobel Prize  
Box 28 Ramsey, Norman F. 1987  
Box 28 Randell, B. 1972  
Box 28 Rashid, Salim 1974  
Box 28 Ratcliffe, Timothy 1986  
Box 28 Rautenberg, Tom 1981  
Box 28 Read, Gerald H. 1977  
Box 28 Regan, Brian T. 1975  
Box 28 Repovs, Dusan, Jr. 1974  
Box 28 Richardson, F. B. 1981  
Box 28 Richter, Burton 1974  
Box 28 Ritz, Edward F. 1972  
Box 28 Robbins, Howard n.d.  
Box 28 Roberts, Jack 1981  
Box 28 Roberts, Nick 1983  
Box 28 Robertson, Brent 1972  
Box 28 Roman, G. 1982  
Box 28 Rose, Augusta 1975  
Box 28 Rose, Jed E. 1987  
Box 28 Rosen, Louis 1974  
Box 28 Rossi, Bruno 1983  
Box 28 Roth, Dana 1980 (Caltech Libraries)  
Box 28 Rothfeld, Gloria 1975  
Box 28 Rowe, D. M. 1981

---

**Section I: Correspondence**

---

Box 28 Rucher, Rob 1974  
Box 28 Ruderfer, Martin 1966, 1978  
Box 28 Rumore, Phil n.d.  
Box 28 Rutherford, David 1975  
Box 28, Folder 8 Sagan, Carl, Productions 1982-83  
Box 28, Folder 9 Salam, Abdus 1966  
Box 28, Folder 10 Schweber, S. S. 1980-85  
Box 28, Folder 11 *Science Magazine*: "The Structure of the Proton" Correspondence 1973, 1975, 1985-86 See also: Section V, VI  
  
Schrödinger, Erwin See: Todd, Olga Taussky  
Slager, Donald M. 1986  
Box 28, Folder 12 Student letters (high school and below) 1971-87  
Box 28, Folder 13 Sutherland, Bill 1987 See also: Section VIII  
Box 28, Folder 14 S misc (2 folders)  
Box 29, Folder 1  
Box 29 Sachs, Mendel 1978  
Box 29 Saetta, Guy T. 1983  
Box 29 Safer, Carol 1982  
Box 29 Safier, Emil 1979  
Box 29 Salk Institute 1974  
Box 29 Sallee, [?] 1983 (John Muir High School)  
Box 29 Salvadó, Carlos 1975, n.d.  
Box 29 Sands, Matthew 1985  
Box 29 Santilli, Ruggero Maria 1976  
Box 29 Sarfatti, J. 1975 (Esalen)  
Box 29 Scheff, Thomas J. 1986  
Box 29 Scherk, Joël 1977  
Box 29 Schlichter, Paul 1982  
Box 29 Schornstein, Bernie 1985  
Box 29 Schultz, Ted 1986  
Box 29 *Science Digest* 1984  
Box 29 Science Research Associates 1974  
Box 29 *Scientific American* 1973  
Box 29 Seelig, Wolfgang 1972  
Box 29 Sellers, Rorick 1987  
Box 29 Serbian National Defense Council 1973  
Box 29 Shavran, Rabbi Avi 1987  
Box 29 Shaw, A. 1977  
Box 29 Sheidlower, Jesse 1985  
Box 29, Folder 2 Shinitzky, Meir 1986  
Box 29 Shirkov, D. V. 1976  
Box 29 Shoulders, K. R. 1986  
Box 29 Simon, Walter 1981-83 ( *The World of Learning* )  
Box 29 Sinha, P. M. N. 1975  
Box 29 Sittler, Karl E. 1974  
Box 29 Smith, C. H. Llewellyn 1978  
Box 29 Smith, Jack H. 1981  
Box 29 Smith, Miranda Weston [?] 1974  
Box 29 Smith, Paul K. 1987  
Box 29 Society for Industrial and Applied Mathematics 1965  
Box 29 Socolow, Robert H. 1984  
Box 29 *Soviet Physics Uspekhi* 1975, 1985  
Box 29 Soldini, J. 1987  
Box 29 Spector, N. H. 1985  
Box 29 Springer Verlag 1981  
Box 29 Srivastava, R. 1987  
Box 29 Stachiewicz, Paul 1975 (La Petite Ecole)  
Box 29 Stadler, [?] 1987  
Box 29 Stahl, Bob 1965

---

**Section I: Correspondence**

---

Box 29 Stanley, Michael 1975  
Box 29 Steckel, Arthur D. 1986  
Box 29 Stedman, Geoffrey 1982  
Box 29 Stevens, Barry 1984  
Box 29 Stillerman, Ivan 1975  
Box 29 Storm, Gale 1979  
Box 29 Strategic Defense Initiative See: Thorne, Kip  
Box 29 Strickland, Glenn G. 1983  
Box 29 Structural Dynamics Research Corp. 1973  
Box 29 Suedfeld, Peter 1975  
Box 29 Sukhatme, Uday 1977  
Box 29 Sweet, Rev. Sanford S. 1976  
Box 29 System Development Foundation 1981  
Box 29, Folder 3 Teitelboim, Claudio 1984-85  
Box 29, Folder 4 Telegdi, Val 1973-85  
Box 29, Folder 5 Thinking Machines Corporation 1983-84, 1986  
Box 29, Folder 6 Thornber, Karvel K. 1965, 1969, 1978 See also: Section VIII  
Box 29, Folder 7 Todd, Olga Taussky n.d.  
Box 29, Folder 8 T misc  
Box 29 Tarpley, Christopher 1987  
Box 29 Technion (Israel Institute of Technology) 1979  
Box 29 Temmen, Lüder 1975 (with clipping)  
Box 29 Tewary, V. K. 1983  
Box 29 Thillaimuthu, J. 1982 (with photo)  
Box 29 Thomas, Arthur 1974  
Box 29 Thomchick, John 1975  
Box 29 Thorne, Kip n.d. See also: Section VIII  
Box 29 Thurnauer, Hans 1986  
Box 29 Tigelaar, Howard 1982  
Box 29 Tollestrup, Alvin 1985  
Box 29 Tonomura, Akira 1983  
Box 29 Tournas, Apostolos 1985  
Box 29 Trimble, Virginia 1987  
Box 29 Troyer, James 1974  
Box 29 Truzzi, Marcello 1985  
Box 29 Tryon, E. P. 1974  
Box 29 Tuan, S. F. 1973 See also: Section VIII  
Box 29 Turney, Jeanne F. 1975  
Box 29 Tykodi, Ralph J. 1975  
Box 29, Folder 9 Unidentified  
Box 29, Folder 10 University of California, miscellaneous 1973-82  
Box 29, Folder 11 Vanderbroucke, Russell 1984-86 ( *Los Alamos Revisited*)  
Box 29, Folder 12 U-V misc  
Box 29 Uchida, Mie 1978  
Box 29 Ungerleider, Ilene 1975  
Box 29 Valainos [?], John  
Box 29 Van Der Hyde, V. A. 1986  
Box 29 Van de Snepscheut, Jan 1984, n.d. See also: Section VIII  
Box 29 Van Duykeren, N. W. J. 1973  
Box 29 Van Iderstine, David 1985  
Box 29 Van Nuys High School 1985, n.d.  
Box 29 Van Sant, Tom 1985  
Box 29 Vasey, Joel 1975  
Box 29 Vedhanel, Rich 1974  
Box 29 Veneziano, G. 1985  
Box 29 Vilain, Michael 1974  
Box 29 Villiani, Gabriele 1972  
Box 29 Virshup, Gary 1978

**Section I: Correspondence**

---

Box 29 **Vogelsang, Roger 1975**  
Box 29 **Vogue 1984**  
Box 29 **Vu\_kovi\_, Vera 1982**  
Box 29, Folder 13 **Weber, Joe 1976, 1983**  
Box 29, Folder 14 **Weisskopf, Victor 1961, 1976, 1979-80 See also: Section VIII**  
Box 29, Folder 15 **Wheeler, John A. 1973, 1977-78**  
Box 29, Folder 16 **Wilson, Kenneth G. 1976, 1982 See also: Section VIII**  
Box 29, Folder 17 **Witten, Edward 1982**  
Box 29, Folder 18 **Wolff, J. Gerard 1981-82**  
Box 29, Folder 19 **Wolfram, Stephen 1981, 1985 See also: Thinking Machines Corporation See also: Section VIII**  
**Wright, Dudley See: Section II, Orbisphere 29.20**  
  
Box 29 **Wyden, Peter 1983**  
**W misc (2 folders)**  
Box 29, Folder 21 **Wadlinger, Robert L. 1976**  
Box 29 **Wahlquist, Hugo 1983**  
Box 29 **Wallace, A. D. 1965**  
Box 29 **Walsh, Birrell 1974**  
Box 29 **Ward, Pat 1986**  
Box 29 **Warner, Kenneth R., Jr. 1975**  
Box 29 **Wasserburg, G. J. 1986**  
Box 29 **Watt, Bob 1986**  
Box 29 **Weber, Robert L. 1979**  
Box 29 **Weinberg, Steven 1977 See also: Section VIII**  
Box 29 **Weinstock, Robert 1983**  
Box 29 **Welch, Marcelle 1984**  
Box 29 **Wessel, Walter 1971-72**  
Box 29 **Wheeler, Harvey 1975 (Center for the Study of Democratic Institutions)**  
Box 29 **Whiteley, J. N. 1971**  
Box 29 **Wickett, Walton 1976**  
Box 29 **Wiley-Interscience 1974-75**  
Box 29 **Williams College 1965**  
Box 29 **Williams, Gary and Richard E. Packard 1974**  
Box 29 **Williams, Robert C. 1985**  
Box 29, Folder 22 **Williams, Robert W. 1983**  
Box 29 **Williamson, Paul R. 1983**  
Box 29 **Willis, David 1982**  
Box 29 **Willis, Harry T. 1975**  
Box 29 **Wilsdorf, Doris 1972**  
Box 29 **Wilson, Richard 1983, 1985**  
Box 29 **Wilson, Robert 1978, 1985**  
Box 29 **Wilts, James R. 1974**  
Box 29 **Witonsky, Phil 1986**  
Box 29 **Wolff, Andrew H. 1974**  
Box 29 **Wolsson, Kenneth 1981**  
Box 29 **Wong, Po Kee 1983**  
Box 29 **Woods, Jean Whitaker 1983**  
Box 29 **Woodward, Alan 1982**  
Box 29 **Wouk, Herman 1973**  
Box 29 **Wu, Yu-hsun 1973 See also: Chou, Pei-yuan**  
Box 29 **Wu, Zi Yi 1984**  
Box 29 **Wunderman, Irwin 1977**  
Box 29 **Wybourne, B. G. 1982**  
Box 29, Folder 23 **Yorkshire Television 1972, 1975-76, 1983 See also: Malina, Frank**  
Box 29, Folder 24 **Yukawa, Hideki 1948, 1965**  
Box 29, Folder 25 **X-Y-Z misc**  
Box 29 **Xerox Corporation 1983 (Ole H. Nielsen and Richard M. Martin)**  
Box 29 **Yacasua, L. T. 1975**  
Box 29 **Yandell, Ben and Janet Nippell 1982**

---

**Section I: Correspondence**

---

Box 29 Young, Fredric 1976  
Box 29 Young, Robert A. 1983  
Box 29 Yourgrau, Wolfgang 1978  
Box 29 Zahlan, A. B. 1965  
Box 29 Zammitt, Norman 1982  
Box 29 Zarmi, Yair 1977  
Box 29 Zeldovich, Y. B. n.d.  
Box 29 Zimmer, Stuart 1982  
Box 29 Zimmerman, W. and L. H. Nosanow 1965  
Box 29 Zubov, Victor See: Read, Gerald H.  
Box 29 Zweig, George See: Section II, Nobel Prize, Swedish Royal Academy of Science

---

**Section II: Biographical****Fan mail**

Box 30, Folder 1 Miscellaneous 1972, 1979, 1982-87, n.d.  
Box 30, Folder 2 NOVA, miscellaneous 1975-79  
Box 30, Folder 3 "The Pleasure of Finding Things Out" (folder 3) Nov 1981-Apr 1982; (folder 4) Jan-June 1983; (folder 5) Aug 1983-Jan 1984, n.d.; (folder 6)

**Miscellaneous correspondence and documents 1981-84**

Box 30, Folder 7 "Surely You're Joking" and other books 1983-84, Jan-Mar 1985, n.d.  
Box 31, Folder 1 "Surely You're Joking" and other books (folder 1) Apr-May 1985; (folder 2) June-Aug 1985; (folder 3) Sept-Dec 1985; (folder 4) Jan-June 1986; (folder 5) July-Dec 1986; (folder 6) Jan-June 1987; (folder 7) July 1987-1988, n.d.; (folder 8) Reviews and miscellaneous correspondence

**Nobel Prize**

Box 32, Folder 1 Nobel Foundation, correspondence and documents 1965-68  
Box 32, Folder 2 Swedish Royal Academy of Science, correspondence and documents 1965-77  
Box 32, Folder 3 Swedish Broadcasting Corporation, correspondence and documents 1965  
Box 32, Folder 4 Nobel trip [Dec 1965], miscellaneous correspondence 1965-66  
Box 32, Folder 5 Ceremonial banquet speech 10 Dec 1965  
Box 32, Folder 6 Prize Ceremony, photos Dec 1965  
Box 32, Folder 7 Nobel Lecture, "The Development of the Space-Time View of Quantum Electrodynamics" (folder 7)  
Folder Folders 7-8 Editorial and miscellaneous correspondence 1965-71; (folder 8) Prints  
Box 32, Folder 9 Athenaeum dinner 7 Jan 1966  
Box 32, Folder 10 Feynman to other Nobelists 1967-68  
Box 32, Folder 11 Alvarez, Luis 1968  
Box 32, Folder 12 Bethe, Hans 1967  
Box 32, Folder 13 Mottelson, Ben 1975  
Box 32, Folder 14 Onsager, Lars 1968  
Box 32, Folder 15 Rainwater, James 1975  
Box 32, Folder 16 Gathering of Nobel Prize Winners 1973, 1976  
Box 32, Folder 17 Printed matter and clippings

**Congratulatory letters**

Box 33, Folder 1 A-B  
Box 33, Folder 2 C-E  
Box 33, Folder 3 F-G  
Box 33, Folder 4 H-J  
Box 33, Folder 5 K-M  
Box 33, Folder 6 N-P  
Box 33, Folder 7 R  
Box 33, Folder 8 S  
Box 33, Folder 9 T-V  
Box 33, Folder 10 W-Z  
Box 33, Folder 11 Anonymous, unidentified, miscellaneous

**Biographical Miscellany**

Box 34, Folder 1 Arms Control ca 1980-82

---

**Section II: Biographical**

---

Box 34, Folder 2	<b>Art Exhibition, Bullock's 1967</b>
Box 34, Folder 3	<b>Biographical data</b>
Box 34, Folder 4	<b>Bohr, Niels, Medal 1973 (with newsclips)</b>
Box 34, Folder 5	<b>California Curriculum Commission, "Comments on the New Arithmetic Textbooks"</b>
Box 34, Folder 6	<b>Caltech Division of Humanities and Social Sciences, Jenijoy LaBelle 1975-76</b> <b>Caltech Division of Physics, Math and Astronomy</b>
Box 34, Folder 7	<b>Appointments and promotions 1973-74</b>
Box 34	<b>Farrar, Glennys</b>
Box 34	<b>Field, Richard D.</b>
Box 34	<b>Fox, Geoffrey C.</b>
Box 34	<b>Mewaldt, R.</b>
Box 34	<b>Sciulli, Frank</b>
Box 34	<b>Sierk, Arnold J.</b>
Box 34	<b>Werner, Michael</b>
Box 34	<b>Wilson, Kenneth</b>
Box 34, Folder 8	<b>Candidacy exam 1974</b>
Box 34, Folder 9	<b>Fairchild nominations 1975</b>
Box 34, Folder 10	<b>Caltech leaves of absence 1974-77</b>
Box 34, Folder 11	<b>Caltech Libraries and Archives 1968-69, 1986-87</b>
Box 34, Folder 12	<b>Cancer and misc. health-related documents 1972-85</b>
Box 34, Folder 13	<b>Cartoons and caricatures</b>
Box 34,	<b>Estephanian, Steven Fabric Cutting Machine (folder 14) 1965; (folder 15) 1972-77</b>
Folder Folders 14-15	
Box 34, Folder 16	<b>Family and friends, miscellaneous personal correspondence</b> <b>Far Rockaway High School</b>
Box 34, Folder 17	<b>Correspondence and documents 1965-67</b>
Box 34, Folder 18	<b>Feynman Lecture Series 1966-67</b>
Box 34, Folder 19	<b><i>The Chat</i></b>
Box 34, Folder 20	<b>Financial records, misc.</b>
Box 35, Folder 1	<b>Manhattan Project 1945/1973</b>
Box 35, Folder 2	<b>Mautner, Alix</b>
Box 35, Folder 3	<b>McLellan micromotor (with photos) 1960</b>
Box 35, Folder 4	<b>Miniaturization projects (with photos) 1960-1985</b>
Box 35, Folder 5	<b>Mexico Property 1972-82</b>
Box 35, Folder 6	<b>Newsclips, miscellaneous</b>
Box 35, Folder 7	<b>Personal material, miscellaneous</b>
Box 35,	<b>Printed material, misc. biographical (folder 8) 1950s-60s; (folder 9) 1970s-80s</b>
Folder Folders 8-9	
Box 35, Folder 10	<b>Rhodes, C. K., Neutrino Detection (Atlantic Richfield Co.) 1980</b>
Box 35, Folder 11	<b>Sketches</b>
Box 35, Folder 12	<b>Sketch pad</b>
Box 35, Folder 13	<b>Tuva trip and film 1981-82, 1986-88</b>
Box 35, Folder 14	<b>Welton, Theodore "Memories"</b>
Box 35, Folder 15	<b>Zorthian, Jirayr H. "Surely it isn't Science" 1987 (incomplete)</b>
Box 36,	<b>Orbisphere Corporation/Laboratories</b>
Folder Folders 1-3	<b>Dudley Wright, Personal Correspondence (folder 1) 1978-81; (folder 2) 1982-83; (folder 3) 1985-87</b>
Box 36, Folder 4	<b>Feynman visit March 1980</b>
Box 36, Folder 5	<b>Financial Statements 1979-80, 1983</b>
Box 36, Folder 6	<b>Board of Directors, Correspondence and Documents 1985-86</b>
Box 36,	<b>John Hale, Correspondence and Technical Notes (folder 7) 1979-80; (folder 8) 1981-83; (folder 9) 1984-85, undated</b>
Folder Folders 7-9	
Box 36, Folder 10	<b>Dan Gagescu, Correspondences and Technical Notes 1985</b>
Box 36, Folder 11	<b>Miscellaneous Technical Notes</b>
Box 36, Folder 12	<b>Miscellaneous Correspondence, Documents, Printed Matter</b>

---

**Section III: Space Shuttle "Challenger" Investigation**

---

### Section III: Space Shuttle "Challenger" Investigation

---

	<b>Correspondence (5 folders)</b>
Box 37, Folder 1	<b>A-F</b>
Box 37, Folder 2	<b>G-H</b>
Box 37, Folder 3	<b>K</b>
Box 37, Folder 4	<b>L-R</b>
Box 37, Folder 5	<b>S-Z</b>
Box 37, Folder 6	<b>Feynman's working notes</b>
Box 37, Folder 7	<b>Working documents, misc</b>
Box 37, Folder 8	<b>Flame analysis, photos and data</b>
Box 37, Folder 9	<b>Temperature effects</b>
Box 37, Folder 10	<b>Feynman's notes "Temperatures of SRB" [incomplete?]</b>
Box 38, Folder 1	<b>Technical material, misc</b>
Box 38, Folder 2	<b>Technical material, NASA</b>
	<b>Reports</b>
Box 38, Folder 3	<b>GAO, "Report to Congress" 23 Feb 1982</b>
Box 38, Folder 4	<b>Feynman's notes on Presidential Commission Report</b>
Box 38, Folder 5	<b>Feynman's report on "Reliability of the Shuttle" (2 versions)</b>
Box 38, Folder 6	<b>NASA, "Actions to Implement the Recommendations of the Presidential Commission..." 14 July 1986</b>
Box 38, Folder 7	<b>Reagan, Ronald 19 June 1986</b>
Box 38, Folder 8	<b>Notes for "Mr. Feynman Goes to Washington"</b>
Box 38,	<b>Newsclips</b>
Folder Folders 9-10	

---

### Section IV: Course And Lecture Notes

	<b>Part A: Caltech Course Notes and Related Material</b>
Box 39, Folder 1	<b>Bi/CS/Ph 250: Physics of Computation 1981-83</b>
Box 39, Folder 2	<b>CS/Ph 187a Potentialities and Limits of Computing Machines 1984</b>
Box 39, Folder 3	<b>Computer Course 1981-84</b>
Box 39, Folder 4	<b>Computer Energetics 1980</b>
Box 39, Folder 5	<b>Fundamentals Course</b>
Box 39, Folder 6	<b>Gell-Mann Course Notes, Physics 234</b>
Box 39, Folder 7	<b>Gravity Course Notes ca. 1967</b>
Box 39, Folder 8	<b>Mathematical Methods of Physics II</b>
Box 39, Folder 9	<b>Miscellaneous Course Notes "Fresh"</b>
Box 40, Folder 1	<b>Miscellaneous Course Notes Quantum Mechanics and QED</b>
Box 40, Folder 2	<b>Notes for Talk to Gell-Mann's Class</b>
Box 40, Folder 3	<b>Physics 2a: Miscellaneous Notes</b>
Box 40, Folder 4	<b>Physics 2b: Miscellaneous Notes 1962 [?]</b>
Box 40, Folder 5	<b>Physics 2c: Miscellaneous Notes 1962 [?]</b>
Box 40, Folder 6	<b>Physics 125: Elementary Quantum Mechanics 1974</b>
Box 40, Folder 7	<b>Physics 135: Applications of Quantum Mech. 1979</b>
Box 40, Folder 8	<b>Physics 205: Advanced Quantum Mechanics 1973</b>
Box 40, Folder 9	<b>Physics 205a: Advanced Quantum Mechanics 1966-67</b>
Box 41,	<b>Physics 205a 41.1 n.d.; 41.2 1978</b>
Folder Folders 1-2	
Box 41, Folder 3	<b>Physics 205b: Notes and Calculations 1974-5</b>
Box 41, Folder 4	<b>Physics 205c: Relativistic Quantum M., Notes 1968</b>
Box 41,	<b>Physics 230: High Energy Physics 1968-9 (folder 5) vol I; (folder 6) vol II</b>
Folder Folders 5-6	
Box 41, Folder 7	<b>Physics 230: Elementary Particle Theory 1987-88</b>
Box 42, Folder 1	<b>Physics 230b: Elementary Particle Theory Notes 1/19/[?]</b>
Box 42, Folder 2	<b>Physics 231: Experimental High Energy Physics 1970</b>
Box 42, Folder 3	<b>Physics 231: High Energy Physics 1975</b>
Box 42,	<b>Physics 234: Field Theory 1978 (folder 4) vol I; (folder 5) vol II</b>
Folder Folders 4-5	

---

## Section IV: Course And Lecture Notes

---

Box 42, Folder 6	<b>Physics 234: Photon-Hadron Lecture Notes 1971</b>
Box 42, Folder 7	<b>Physics 234: Photon-Hadron 1971-72 vol I</b>
Box 43,	<b>Physics 234: Photon-Hadron 1971-72, (folder 1) vol II; (folder 2) vol III; (folder 3) vol IV</b>
Folder Folders 1-3	
Box 43,	<b>Physics 234: QCD (folder 4) 1982; (folder 5) Course Notes n.d.; (folder 6) Course Notes 198[?]; (folder 7) Lecture Notes 1983</b>
Folder Folders 4-7	
Box 43, Folder 8	<b>Physics 236: Gravity 1980</b>
Box 43, Folder 9	<b>Soph[omore] Lecture 13 April 1973</b>
	<b>Part B: Student Exams, Papers, Etc.</b>
Box 44, Folder 1	<b>CS/Ph 187a: Student Problem Sets 1984</b>
Box 44, Folder 2	<b>CS/Ph 251: Final papers 1984</b>
Box 44, Folder 3	<b>Homework and Exams--Miscellaneous</b>
Box 44, Folder 4	<b>Physics 205: Homework 1974</b>
Box 44, Folder 5	<b>Physics 236b: Relativity Exams 1981</b>
Box 44, Folder 6	<b>Physics Candidacy Exam &amp; Results 1971; 1976</b>
Box 44, Folder 7	<b>Student Papers/ Grades 1973-84</b>
	<b>Part C: Other Lecture Notes</b>
	<b>Hughes Aircraft Courses given by Feynman</b>
Box 45,	<b>Lectures on Astronomy, notes by J. Neer 1966-67 (folder 1) Part I; (folder 2) Part II</b>
Folder Folders 1-2	
Box 45,	<b>Lectures on Electrodynamics and Related Topics, notes by J. Neer Oct 1967-Jun 1968, (folder 3) Part I; (folder 4) Part II</b>
Folder Folders 3-4	
Box 45,	<b>Lectures on Quantum Mechanics, notes by J. Neer July 1968-May 1969 (folder 5) Part I; (folder 6) Part II</b>
Folder Folders 5-6	
Box 45, Folder 7	<b>Lectures on QED, notes by J. Neer 196[9]?</b>
	<b>Feynman's Notes on Hughes Courses</b>
Box 46, Folder 1	<b>"Hughes Computer" 7 Mar-17 Oct 1984</b>
Box 46, Folder 2	<b>"Hughes Computers 1983-4" Notebook</b>
Box 46, Folder 3	<b>"Hughes--Electromag" Notebook Oct 1974</b>
Box 46, Folder 4	<b>"Hughes Notes, Electrostatics and Computers" 14 Nov 1984 to 9 Jan 1985</b>
Box 46, Folder 5	<b>"Hughes Notes"</b>
Box 46, Folder 6	<b>"Hughes Optics 1971-72" Notebook and Enclosed Material</b>
Box 46, Folder 7	<b>"Miscellaneous" Lecture Notes</b>
Box 46, Folder 8	<b>Miscellaneous Notes</b>
Box 46, Folder 9	<b>"Old Hughes" notes</b>
Box 46, Folder 10	<b>"Quantum Electronics--Hughes, Culver City 1977," Notebook and Enclosed Material</b>
	<b>Feynman's Notes Used for Other Lectures</b>
Box 46, Folder 11	<b>"Lecture Ideas"</b>
Box 46, Folder 12	<b>Lectures on Gravitation #1-11 1962-63</b>
Box 47, Folder 1	<b>Lectures on Gravitation #1-11; #12-16 in rough form ca 1971</b>
Box 47, Folder 2	<b>Lectures on the Theory of Fundamental Processes 1959-60</b>
Box 47, Folder 3	<b>Les Houches Course on Gauge Theories 2 1976</b>
Box 47, Folder 4	<b>Les Houches Summer School Lectures 1976</b>
Box 47, Folder 5	<b>Mautner Lectures on QED, Notes 1983</b>
Box 47, Folder 6	<b>Statistical Mechanics Course Notes</b>
Box 47, Folder 7	<b>Statistical Mechanics Problem Sets</b>
Box 47, Folder 8	<b>Statistical Mechanics: A Set of Lectures 1960-61</b>
Box 48,	<b>Statistical Mechanics: A Set of Lectures 1960 (folder 1) Part I; (folder 2) Part II; (folder 3) Part III; (folder 4) Part IV</b>
Folder Folders 1-4	

---

## Section V: Talks, Speeches, Conferences

### Part A: Dated talks

Box 49, Folder 1	<b>The Value of Science NAS Meeting, Caltech, 1955 Nov 2-4</b>
	<b>Holograph notes, 1,1-4 leaves; proof, 1 p</b>
Box 49, Folder 2	<b>Conflict of Science and Religion [ca 1956]</b>
	<b>Holograph notes, [5] leaves; proofs, 2 pp</b>

---

**Section V: Talks, Speeches, Conferences**

---

Box 49, Folder 3	<b>Theoretical Ideas Used in Analyzing Strange Particles Feynman and Gell-Mann, United Nations Talk [1960s]</b> Typescript (carbon)
Box 49, Folder 4	<b>Seeking New Laws (Messenger Lecture #3) Cornell, 1964 Nov</b> Holograph notes, [3] leaves
Box 49, Folder 5	<b>My Experiences with Quantum Electrodynamics Caltech Physics Colloquium, 1965 Dec 2</b> Typescript, 33 leaves (incomplete, pp. 10, 14, 17 missing)
Box 49, Folder 6	<b>[Talk, CERN] 1965 Dec 17</b> Typescript; audio tape
Box 49, Folder Folders 7-10	<b>What is Science? National Science Teachers Association, New York, 1966 April 2</b>  (folder 7) Correspondence, general 1965-67; (folder 8) correspondence, <i>The Physics Teacher</i> 1967-69; (folder 9) typescript (photocopy), with holograph corrections, 32 leaves; (folder 10) Ed Hutchings's typescript (photocopy), 32 leaves
Box 49, Folder Folders 11-12	<b>The Principles of Relativistic Quantum Mechanics American Physical Society, Washington, 1966 April</b>  (folder 11) Correspondence, general 1965-67; (folder 12) notes (photocopy) by J. Ashkin; correspondence 1966-67
Box 49, Folder 13	<b>The Application of Mathematics to Mathematics Mathematical Society of America, Eugene, 1969 Aug</b> Holograph notes, [2] leaves; abstract, correspondence
Box 49, Folder Folders 14-15	<b>The Behavior of Hadron Collisions at Extreme Energies Third International Conference of High Energy Collisions, Stony Brook, 1969 Sept 5-6</b> (folder 14) Holograph, 1-10, 10a, 11-19 leaves; typescripts (one photocopy); (folder 15) publication correspondence 1969-70
Box 49, Folder 16	<b>[Lecture, Oersted Medal] American Association of Physics Teachers, 1972 Feb 1</b> Correspondence 1971-72, 1980-81; typescript (photocopy), ill.
Box 49, Folder Folders 17-18	<b>What Neutrinos Can Tell Us About Partons Neutrino Conference, Balatonfüred (Hungary), 1972 June 11-17</b> (folder 17) Correspondence 1972; (folder 18) holograph, [i], 1-2, 2a, 3-7, 7a-c, 8-21, [3] ill. leaves; typescripts (one photocopy)
Box 49, Folder 19	<b>Final State Hadrons from Deep Inelastic Collisions XVI International Conference on High Energy Physics, Batavia, 1972 Sept 6-13</b> Correspondence 1972; typescript
Box 49, Folder 20	<b>[Talk, particles] Caltech, Ramo Auditorium, [1973]</b> Typescript
Box 50, Folder 1	<b>[Talk on quarks] 1973 Jan 11</b> Holograph notes, ill leaves
Box 50, Folder 2	<b>The Internal Structure of the Proton Museum of Science and Industry, 1973 May 3, and Lawrence Berkeley Laboratory, 1973 May 10</b> Holograph notes, [1] leaf
Box 50, Folder 3	<b>Partons Fifth Hawaii Topical Conference in Elementary Particle Physics, Honolulu, 1973 Aug 7-20</b> Correspondence and documents 1972-74
Box 50, Folder Folders 4-5	<b>The Structure of the Proton (Niels Bohr Medal Lecture) Copenhagen, 1973 Oct 3</b>  (folder 4) Correspondence 1973-76; (folder 5) typescript, slides, figures, transparency
Box 50, Folder 6	<b>Conference on Lepton Induced Interactions UC Irvine, 1973 Dec 7-8</b> Correspondence 1973
Box 50, Folder 7	<b>Summary Talk Fourth International Conference on Neutrino Physics, Philadelphia, 1974 April 26-28</b> Correspondence 1973-74; typescript (photocopy); holograph notes (part photocopy), 1-2, [6] leaves; transparencies
Box 50, Folder 8	<b>Cargo Cult Science Caltech Commencement Address, 1974 June 14</b> Holograph notes, [1] leaf; correspondence and documents, 1974
Box 50, Folder 9	<b>The Structure of the Proton Canadian Undergraduate Physics Association, 1974 October</b> Holograph notes, [3] leaves; slide masters
Box 50, Folder 10	<b>The Structure of the Proton and other talks Canadian Undergraduate Physics Association</b> Correspondence 1974-75, 1977-78
Box 50, Folder 11	<b>Remarks on New Particle 1974 Nov 13-26</b> Typescript

---

**Section V: Talks, Speeches, Conferences**

---

Box 50, Folder 12	<b>Los Alamos from Below UC Santa Barbara, 1975 Feb 6</b> Correspondence 1975-81; typescript (photocopy)
Box 50, Folder 13	<b>Talk to Math Club 1975 April 22</b> Holograph notes, [4] leaves
Box 50, Folder 14	<b>[From folder:] <math>\Psi</math> talk 1975 Oct 14</b> Holograph notes, 6 leaves; transparencies
Box 50, Folder 15	<b>[From folder:] <math>\Psi</math> talk Stanford Conference [1975?]</b> Transparencies
Box 50, Folder 16	<b>Summary Talk Conference on Quarks and New Particles, Laguna Beach (UC Irvine), 1975 Dec 5-6</b> Correspondence 1975
Box 50, Folder 17	<b>[Talk, Sigma Pi Sigma], CSU Long Beach, 1976 Jan 31</b> Correspondence 1975-76
Box 51, Folder 1	<b>Negative Probability [1977]</b> Correspondence; typescript, ill.; transparencies
Box 51, Folder 2	<b>Correlations in Hadron Collisions at High Transverse Momentum, Orbis Scientiae, Coral Gables, 1977 Jan</b> Correspondence 1976-77; typescript, ill.
Box 51, Folder 3	<b>[Talk on Jesse DuMond] 1977 Feb 24</b> Holograph notes, 4 leaves [small] and 4 leaves; transparencies and ill.; slides; typescripts (one photocopy)
Box 51, Folder 4	<b>Quark Jets VIII International Symposium on Multiparticle Dynamics, Kaysersberg (France), 1977 June 12-17</b> Correspondence 1976-77; typescript, ill.
Box 51, Folder 5	<b>[Talk at Lawrence Berkeley Laboratory] 1978 March 27</b> Correspondence 1978
Box 51, Folder 6	<b>[Talk on neutrinos], Caltech Alumni Seminar Day, 1978 May 13; and JPL and other related notes</b> Correspondence 1978; holograph notes, [5] leaves; transparencies, slides, misc
Box 51, Folder 7	<b>Omni Magazine interview, 1979</b> Correspondence 1979; typescripts (photocopy)
Box 51, Folder 8	<b>How Well Do We Really Know What QCD Says About Large Momentum Transfer Processes? Caltech Physics Workshop, 1979 Feb 13-18</b> Holograph notes, [3] leaves; documents
Box 51, Folder 9	<b>Robb Lectures [QED] University of Auckland, 1979 July-Aug</b> Correspondence 1978-79
Box 51, Folder 10	<b>Beatty Lectures: Light and Matter [cf Robb Lectures] McGill University, 1979 Oct 29-31</b> Correspondence 1979
Box 51, Folder Folders 11-13	<b>[From envelope:] YMZ Early Talks</b>  (folder 11) Stanford, 1980 Oct 29; Caltech, 1980 Nov 4; (folder 12) Crete [1980?]; (folder 13) QCD old [1980?] Transparencies
Box 51, Folder Folders 14-16	<b>Simulating Physics with Computers MIT Conference on Physics and Computing, 1981 May 6-8</b>  (folder 14) Correspondence, typescripts, list of attendees, photo; (folder 15) holograph notes, [1], V leaves; transparencies; (folder 16) copies of papers by others
Box 51, Folder 17	<b>A Qualitative Discussion of Quantum Chromodynamics in 2 + 1 Dimensions International Conference on High Energy Physics, Lisbon, 1981 July 9-15</b> Typescript (photocopy)
Box 51, Folder 18	<b>How QCD Works Shelter Island, [1983?]</b> Correspondence 1983; transparencies
Box 51, Folder 19	<b>Probability in Mathematics Mathematical Association of America, San Diego, 1983 March 4</b> Holograph notes, [9] leaves
Box 52, Folder 1	<b>[From folder:] QCD Elementary, Alaska University of Fairbanks, 1983 March</b> Correspondence 1982-83; transparencies
Box 52, Folder 2	<b>Tiny Computers Obeying Quantum Mechanical Laws Los Alamos, 1983 April 14</b> Correspondence 1982-83
Box 52, Folder 3	<b>Conference on Chemically-Based Computer Design UC Los Angeles, 1983 Oct</b> Correspondence 1983; conference report
Box 52, Folder 4	<b>[From folder:] QCD Caltech Oct 1983</b>

---

**Section V: Talks, Speeches, Conferences**

---

Box 52, Folder 5	<b>Holograph notes, [1] leaf; transparencies</b> <b>[Talk on QCD] UC Irvine Undergraduate Physics Conference, 1984 April 7</b> <b>Correspondence 1984</b>
Box 52, Folder 6	<b>Quantum Mechanical Computers CLEO/IQEC Meeting, Anaheim, 1984 June 19</b> <b>Typescript, ill.; proofs</b>
Box 52, Folder 7	<b>U.S. New and World Report Interview 1985 Feb</b> <b>Correspondence; typescript</b>
Box 52, Folder 8	<b>Quantum Mechanical Computers General Research Colloquium, Bell Labs[?], 1985 May 24</b> <b>Holograph notes, [18] leaves (one blank); notes, misc, [5] leaves; transparencies, article by S. Wolfram</b>
Box 52, Folder 9	<b>Computing Machines of the Future AAAS Youth Symposium, 1985 May 29</b> <b>Correspondence, documents 1985</b>
Box 52, Folder 10	<b>Computing Machines of the Future Nishina Memorial Lecture, Tokyo, 1985 Aug 9</b> <b>Correspondence 1983-85; typescript</b>
Box 52, Folder 11	<b>Bethe Ansatz Lunch talk 1987 Jan 22</b> <b>Holograph notes, [8] leaves</b>
	<b>Part B: Undated talks</b>
Box 52, Folder 12	<b>The Future for Science</b> <b>Interview transcript (photocopy)</b>
Box 52, Folder 13	<b>Science in America</b> <b>Holograph, 4 leaves</b>
Box 52, Folder 14	<b>Esalen II</b> <b>Holograph notes, [2] leaves</b>
Box 52, Folder 15	<b>It's As Simple as One, Two Three</b> <b>Typescript</b>
Box 52, Folder 16	<b>Algebra Machine</b> <b>Holograph notes, [2] leaves</b>
Box 52, Folder 17	<b>[Talk on math]</b> <b>Holograph notes, a-c leaves</b>
Box 52, Folder 18	<b>[From folder:] Relativity and QM Talk</b> <b>Holograph notes, [7] leaves loose, [8] leaves on tablet; transparencies</b>
Box 52, Folder 19	<b>[Talk on gravitation]</b> <b>Holograph notes, 3, [3] leaves</b>
Box 52, Folder 20	<b>Renormalization of the Gravitational Field International Conference on the Theory of Weak and Strong Interactions, La Jolla</b> <b>Holograph notes, [18] leaves; documents</b>
Box 53, Folder 1	<b>Cosmic Radiation</b> <b>Holograph notes, [6] leaves</b>
Box 53, Folder 2	<b>[Talk on theories of fundamental particles]</b> <b>Typescript</b>
Box 53, Folder 3	<b>Independent particles approximation</b> <b>Holograph notes, [4] leaves</b>
Box 53, Folder 4	<b>In Hawaii [talk on particles]</b> <b>Holograph notes, 4 leaves</b>
Box 53, Folder 5	<b>[From envelope:] Transparencies for Quark Talk, Hawaii</b> <b>Transparencies</b>
Box 53, Folder 6	<b>[Talk on quarks]</b> <b>Holograph notes, V, [1] leaves</b>
Box 53, Folder 7	<b>[From envelope:] Vancouver Transparencies</b> <b>Holograph notes, [2] leaves loose, [4] leaves on tablet; transparencies, envelope</b>
Box 53, Folder 8	<b>[Talk on particles]</b> <b>Transparencies</b>
Box 53, Folder 9	<b>[Talk on particles]</b> <b>Holograph notes, [2] leaves</b>
Box 53, Folder 10	<b>Why There are Anti-Particles</b> <b>Polaroid slides (8)</b>
Box 53, Folder 11	<b>[Talk on Self Action]</b> <b>Holograph notes, 3 leaves</b>

**Section V: Talks, Speeches, Conferences**

---

Box 53, Folder 12	<b>Parity for Electrons</b> Holograph notes, [6] leaves
Box 53, Folder 13	<b>[Talk on QCD] Lisbon [?]</b> Holograph, 1-8, a-c, 9-10, [4] leaves; transparencies
Box 53, Folder 14	<b>MIT Colloquium QCD</b> Holograph notes, [1] leaf
Box 53, Folder 15	<b>QCD Caltech</b> Holograph notes, [1], 4 leaves; transparency
Box 53, Folder 16	<b>[Untitled talk, incomplete]</b> Holograph, pag. 14-40, 40[sic]-53, 50-62
Box 53, Folder 17	<b>Notes, misc, possibly talk-related</b>
Box 53, Folder 18	<b>Correspondence, lectures and talks 1973-1987, undated</b>
Box 53, Folder 19	<b>Printed material, conferences and talks</b> <b>Talk-related slides and negatives:</b> 6 envelopes Legends to slides 1 folder

---

**Section VI: Publications**

Box 55, Folder 1	<b>Amplifier Response (Manhattan Project report) 1946</b>
Box 55, Folder 2	<b>Slow Electrons in a Polar Crystal 1954-1962</b> Correspondence, holograph notes, typescript (carbon)
Box 55, Folder 3	<b>A Theory of the Fermi Interaction 1957</b> Preprint (mimeo)
Box 55, Folder 4	<b>The Present Status of Quantum Electrodynamics 1961</b> Typescript (photocopy)
Box 55, Folder 5	<b>There's Plenty of Room at the Bottom 1962</b> Technion Yearbook 1962
Box 55, Folder 6	<b>The Feynman Lectures ca 1962-64</b> Holograph notes enclosed with annotated copies of Part 2C: [35] leaves, [1] small leaf; corrections to v. 3
Box 55, Folder 7	<b>The Feynman Lectures 1963</b> Annotated copies of Part 2C (2 copies)
Box 55, Folder 8	<b>The Theory of a General Quantum System... 1963 Preprint (mimeo)</b>
Box 55, Folder 9	<b>The Group <math>U(6) \times U(6)</math> Generated by Current Components 1964</b> Preprint (photocopy)
Box 55, Folder 10	<b>The Development of the Space-Time View of Quantum Electrodynamics (Nobel Lecture) 1966</b> Preprints (bound)
Box 55, Folder 11	<b>What is Science? 1969</b> Edited typescript, galley proofs
Box 55, Folder 12	<b>Very High Energy Collisions of Hadrons 1969</b> Correspondence, typescripts with corrections, reprint with holograph notes
Box 55, Folder 13	<b>The Behavior of Hadron Collisions at Extreme Energies 1969</b> Preprint (photocopy)
Box 56, Folder 1	<b>The Delta-<math>I=1/2</math> Rule from the Symmetric Quark Model 1970</b> Holograph MS, corrected typescripts, preprint (photocopy), correspondence
Box 56, Folder 2	<b>Closed Loop and Tree Diagrams 1970</b> Correspondence, typescript and ill. (photocopy)
Box 56, Folder 3	<b>Some Comments on Baryonic States 1970</b> Correspondence, typescripts with corrections, preprint
Box 56, Folder 4	<b>The Velocity Acquired by an Electron in a Finite Electric Field in a Polar Crystal 1970</b> Typescripts (photocopy)
Box 56, Folder 5	<b>Current Matrix Elements from a Relativistic Quark Model 1970</b> Typescript, ill.; holograph notes, [3] leaves; preprint (photocopy) with annotations
Box 56, Folder 6	<b>Cerenkov Effects in Tachyon Theory 1970 or after</b> Typescript (photocopy)

---

**Section VI: Publications**

---

Box 56, Folder 7	<b>Problems in Quantizing the Gravitational Field... 1971</b> Typescript
Box 56, Folder 8	<b>Statistical Mechanics 1972</b> Annotated copy
Box 56, Folder 9	<b>Statistical Mechanics ca 1972-74</b> Holograph notes enclosed with annotated copy: [18] leaves (some photocopy); [3] leaves, misc
Box 56, Folder 10	<b>Structure of the Proton 1973</b> Typescript (photocopy)
Box 56, Folder 11	[Typescript, untitled] 1975 Oct 24
Box 57, Folder 1	<b>Correlation Among Particles and Jets Produced with Large Transverse Momenta 1977</b> Preprint (photocopy)
Box 57, Folder 2	<b>Quark Elastic Scattering as a Source of High Transverse Momentum Mesons 1977</b> Preprint (photocopy)
Box 57, Folder 3	<b>A Parameterization of the Properties of Quark Jets 1977</b> Preprint (photocopy)
Box 57, Folder 4	<b>A Quantum Chromodynamic Approach for the Large Transverse Momentum... 1978</b> Typescript (photocopy); holograph notes, [15] leaves; envelope, preprint (photocopy)
Box 57, Folder 5	<b>Frontiers in Science (anniversary ed.) 1979</b> Correspondence, reprints
Box 57, Folder Folders 6-9	<b>Qualitative Behavior of Yang-Mills Theory in 2+1 Dimensions 1981</b>  (folder 6) Typescripts, ill.; (folder 7) correspondence and documents; (folder 8) preprints (photocopies) with corrections; (folder 9) typescript corrections, proofs
Box 57, Folder 10	<b>Simulating Physics with Computers 1981</b> Typescript (photocopy) with holograph annotations
Box 57, Folder 11	<b>A Qualitative Discussion of Quantum Chromodynamics in 2+1 Dimensions 1981</b> Preprint (photocopy)
Box 57, Folder 12	<b>Quantum Mechanical Computers 1984</b> Correspondence 1984-87; typescript (edited), printed matter
Box 57, Folder 13	<b>QED, Russian Edition (L. B. Okun) ca 1986</b> Correspondence, printed matter

---

**Section VII: Working Notes And Calculations**

Box 58, Folder Folders 1-6	<b>1966-67 Blue Binder</b>
Box 58, Folder Folders 7-10	<b>1968-69 Blue Binder</b>
Box 59, Folder Folders 1-3	<b>1969-70 Green Binder</b>
Box 59, Folder Folders 4-7	<b>1976-77 Blue Binder</b>
Box 60, Folder Folders 1-4	<b>1976-77 Black Binder</b>
Box 60, Folder Folders 5-7	<b>1976-79 Brown Binder</b>
Box 61, Folder Folders 1-4	<b>1980 Yellow Binder</b>
Box 61, Folder Folders 5-7	<b>1981-82 Orange Binder</b>
Box 61, Folder Folders 8-10	<b>1982-83 Red Binder</b>
Box 62, Folder 1	<b>1987-88 Black Binder</b>
Box 62, Folder 2	<b>A Conventional Derivation of the Path Integral Minimum Principle 9/77</b>
Box 62, Folder 3	<b>A Description of a Field Theory in 4-Space</b>
Box 62, Folder 4	<b>"A Model of Strong and Weak Couplings" 20 Oct 1958</b>
Box 62, Folder 5	<b>Advanced Effects</b>

---

**Section VII: Working Notes And Calculations**

---

Box 62, Folder 6	<b>Algebra Vol A</b>
Box 62, Folder 7	<b>Algebra Machine</b>
Box 62, Folder 8	<b>Alternate Way to Handle Electrodynamics 13 Dec 1963</b>
Box 62, Folder 9	<b>Artificial Intelligence 1985</b>
Box 62, Folder 10	<b>Astronomy ca 1960</b>
Box 62, Folder 11	<b>Astrophysics</b>
Box 62, Folder 12	<b>Atomic Computer ca 1982</b>
Box 62, Folder 13	<b>Beta [B] decay</b>
Box 62, Folder 14	<b>Binding energies of Fermi Gases [?]</b>
Box 63, Folder 1	<b>Biological Notes, <i>The Structure and Action of Proteins</i> and enclosed notes</b>
Box 63,	<b>CPT, Spin, Elementary Relativistic Quantum Mechanics (folder 2) ca 1967; (folder 3) "to T. H. and return to</b>
Folder Folders 2-4	<b>E. S." 1968; (folder 4) "Why Anti-particles, TCP etc." ca 1968</b>
Box 63, Folder 5	<b>Calculations [?] ca 1980</b>
Box 63, Folder 6	<b>Calculations, Path Integrals, QCD, Computers 198[?]</b>
Box 63, Folder 7	<b>Calculations, Probability of <math>\sigma=\rho(\sigma)\delta\sigma</math> [?]</b>
Box 63, Folder 8	<b>Calculations by Forward Electron Theory with Opposite Charge</b>
Box 63, Folder 9	<b>Calculations from <math>(H+\lambda\kappa\psi) 4=E\psi</math></b>
Box 63, Folder 10	<b>Calculations of Resonance Widths ca 1970</b>
Box 63, Folder 11	<b>Calculations on QCD [?] 1982</b>
Box 64, Folder 1	<b>"Closed Loop and Tree Diagrams" [pub. 1972]</b>
Box 64, Folder 2	<b>Chemistry</b>
Box 64, Folder 3	<b>Computers, miscellaneous</b>
Box 64, Folder 4	<b>Computers and QED ca 1984</b>
Box 64, Folder 5	<b>Computer Notebook and Other Material 1983-84</b>
Box 64, Folder 6	<b>Constructing a Triangle Using a Compass</b>
Box 64, Folder 7	<b>Cosmology and Stars ca 1968</b>
Box 64, Folder 8	<b>Coulomb Propagator</b>
Box 64, Folder 9	<b>Cylindrical Sedimentation</b>
Box 64, Folder 10	<b>DEMON Computer Algorithm and other notes</b>
Box 64, Folder 11	<b>DNA</b>
Box 64, Folder 12	<b>Defense, Nuclear War</b>
Box 64, Folder 13	<b>Density Matrices [?]</b>
Box 64, Folder 14	<b>Diagram Relationships</b>
Box 64, Folder 15	<b>Dirac Equation, Rotation of Matrix Elements</b>
Box 65, Folder 1	<b>"Discussion After Schild's talk" 26 July 19[?]</b>
Box 65,	<b>Dispersion</b>
Folder Folders 2-3	
Box 65, Folder 4	<b>Dissipative Linear Systems</b>
Box 65, Folder 5	<b>Eigenstates and Energies [?]</b>
Box 65, Folder 6	<b>Electron-Nucleon Interaction</b>
Box 65, Folder 7	<b>Experimental Data, Decay ca 1957-61</b>
Box 65, Folder 8	<b>Extreme Relativistic Electrodynamics</b>
Box 65, Folder 9	<b>Feynman Talk Graphs</b>
Box 65, Folder 10	<b>Feynman's "Miscellaneous" File</b>
Box 65, Folder 11	<b>Field Effects ca 1950</b>
Box 65, Folder 12	<b>Fluid Motion, Viscous</b>
Box 65, Folder 13	<b>Flux Lines 5/10/67</b>
Box 65, Folder 14	<b>Fourier Transform of <math>\nu(\kappa 2)</math></b>
Box 65, Folder 15	<b>Future Computing Machines</b>
Box 65, Folder 16	<b>Gaussian Signals/Information Theory [?]</b>
Box 66, Folder 1	<b>Glacial Ice, Argon, Numbers</b>
Box 66,	<b>Gravity</b>
Folder Folders 2-3	
Box 66, Folder 4	<b>Gravity in Astronomy and Lecture on Curved Space</b>
Box 66, Folder 5	<b>Gravity Notepad [?]</b>
Box 66, Folder 6	<b>Gravity Waves, Virtual Particles [?] various</b>
Box 66, Folder 7	<b>Gravitational Equations, Yang Mills</b>
Box 66, Folder 8	<b>Group Theory, Quantum Fundamentals</b>

**Section VII: Working Notes And Calculations**

---

Box 67, Folder 1	<b>Helium</b>
Box 67, Folder 2	<b>Helium 3</b>
Box 67, Folder 3	<b>Helium, Rotating</b>
Box 67, Folder 4	<b>High energy E + M</b>
Box 67, Folder 5	<b>Integrating the Action Inside a Rectangle 3/4/82</b>
Box 67, Folder 6	<b>Integrals Notepad</b>
Box 67, Folder 7	<b>Ising Model</b>
Box 67, Folder 8	<b>Ithaca Meeting 8/71, Representations of The Lorentz Graph 3/73</b>
Box 67, Folder 9	<b>Kaon [<math>\kappa</math>] Decay</b>
Box 67, Folder 10	<b>Kinds of Systems ca 1980</b>
Box 67, Folder 11	<b>Lamb shift, notes</b>
Box 67, Folder 12	<b>Large Mass Interactions in QCD 5/22/79-77/7/79</b>
Box 68, Folder 1	<b>Lattices [?]</b>
Box 68, Folder 2	<b>Lorentz Group 1965 and undated</b>
Box 68,	<b>Miscellaneous Calculations</b>
Folder Folders 3-6	
Box 68, Folder 7	<b>Miscellaneous Notes</b>
Box 69, Folder 1	<b>Miscellaneous Notes ca 1979-84</b>
	<b>Miscellaneous Notes</b>
Box 69, Folder 2	<b>Helium, Superconductivity, etc.</b>
Box 69, Folder 3	<b>Mostly QED [?]</b>
Box 69, Folder 4	<b>Mostly Quantum Mechanics ca 1950s-1960s</b>
Box 69, Folder 5	<b>Notes from R.P.F's Desk</b>
Box 69, Folder 6	<b>Particles, QED I, various dates</b>
Box 70, Folder 1	<b>Particles, QED II, various dates</b>
Box 70, Folder 2	<b>Plasma, Particles, Astrophysics ca 1970s</b>
Box 70,	<b>Miscellaneous Notes on Computers (folder 3) n.d.; (folder 4) ca 1984</b>
Folder Folders 3-4	
Box 70, Folder 5	<b>Miscellaneous Notes, Quarks, QED, various</b>
Box 70, Folder 6	<b>Miscellaneous Technical Notes</b>
Box 70, Folder 7	<b>Meson Scattering</b>
Box 70, Folder 8	<b>Mobility</b>
Box 71, Folder 1	<b>Muon</b>
Box 71, Folder 2	<b><math>\mu^0 \rightarrow 3\pi</math> decay July 1966</b>
Box 71, Folder 3	<b>Negative Probabilities</b>
Box 71, Folder 4	<b>Negative Probabilities 18 Feb 1970</b>
Box 71, Folder 5	<b>Neutrino Emission ca 1960</b>
Box 71, Folder 6	<b>Neutrino/Antineutrino, B. Barish 1973</b>
Box 71, Folder 7	<b>Non-Relativistic Hydrogen Atom</b>
Box 71, Folder 8	<b>Notebook on Assorted Topics, QM, Computers etc.</b>
Box 71, Folder 9	<b>Notebook on Computers 1982-83</b>
Box 71, Folder 10	<b>Notebook on Particle Physics ca 1975</b>
Box 71, Folder 11	<b>Notebook on QCD and other topics ca 1987</b>
Box 71, Folder 12	<b>Notebook on Variational Principle [?]</b>
Box 72, Folder 1	<b>Notepad, Computer Applications and QCD</b>
Box 72, Folder 2	<b>Notepad on Computational Linguistics 1985</b>
Box 72, Folder 3	<b>Notepad on Gauge Transformations and QCD ca 1982</b>
Box 72, Folder 4	<b>Notepad on Miscellaneous Subjects</b>
Box 72, Folder 5	<b>Notepad on QED and Other Topics, Richard and Carl Feynman</b>
Box 72, Folder 6	<b>Notes, Concurrent QM Computation, Model of E. Coli August 1984</b>
Box 72, Folder 7	<b>Notes and Calculations, Mostly Gravitation [?] ca 1966</b>
Box 72, Folder 8	<b>Notes and Calculations, QCD, Computers [?] ca 198[?]</b>
Box 72, Folder 9	<b>Notes on Computers [?] ca 1983</b>
Box 72, Folder 10	<b>Notes on Various Subjects ca 1980s</b>
Box 72, Folder 11	<b>Nuclear Fluid</b>
Box 72, Folder 12	<b>Nuclear Physics</b>
Box 72, Folder 13	<b>Number Theory [?]</b>
Box 72, Folder 14	<b>Ongoing Proton</b>

**Section VII: Working Notes And Calculations**

---

Box 72, Folder 15	<b>Ordered Operators</b>
Box 72, Folder 16	<b>Origin of Mass and Other calculations</b>
Box 72, Folder 17	<b>Optics [?] ca 1980</b>
Box 73, Folder 1	<b>Pairs of Interacting Atoms/Oscillators [?] ca 1940s [?]</b>
Box 73, Folder 2	<b>Paper on Computer Character Recognition Program</b>
Box 73,	<b>Particle Physics [?]</b>
Folder Folders 3-4	
Box 73, Folder 5	<b>Particle Physics, <math>\epsilon\rho^2\epsilon\text{A}\Pi\zeta</math> [?] ca 1969</b>
Box 73, Folder 6	<b>Particle Physics, Mesons, Coupling, Magnetic Moments</b>
Box 73, Folder 7	<b>Particle Physics Notes [?] ca 1977</b>
Box 73, Folder 8	<b>Particle Physics/Scattering Calculations ca 1967</b>
Box 73, Folder 9	<b>Particle Physics/Scattering Notes ca 1968</b>
Box 73, Folder 10	<b>Particle Tables 1973</b>
Box 73, Folder 11	<b>Particle Tables, Miscellaneous</b>
Box 74,	<b>Parton and Hadron Collisions 1966-69 and undated</b>
Folder Folders 1-2	
Box 74, Folder 3	<b>Physics Reports 1973</b>
Box 74, Folder 4	<b>Plane waves, Dirac Case [?]</b>
Box 74, Folder 5	<b><math>\pi\rightarrow\mu+\nu</math> 1958-1960 and undated</b>
Box 74, Folder 6	<b>Polarization, Huygens Principle</b>
Box 74, Folder 7	<b>Polarons</b>
Box 74, Folder 8	<b>Properties of <math>\Psi, \Psi', \Psi</math></b>
Box 74, Folder 9	<b>Properties of Matrix Elements Implied by [a(1), b(2)] 12/67</b>
Box 74, Folder 10	<b>Properties of the Function <math>\lambda(\chi) = -0f; x[\delta v/v]x[\lambda v(1-v)]</math></b>
Box 74, Folder 11	<b>Properties of Stretched Surfaces [?]</b>
Box 74, Folder 12	<b>Protons October 1976</b>
Box 75, Folder 1	<b>"Puzzles" File</b>
Box 75, Folder 2	<b>QCD 3-Dimensions + Quarks [?] 1983</b>
Box 75, Folder 3	<b>QCD and Partons Model 1978-79</b>
Box 75, Folder 4	<b>QCD and Related Notes</b>
Box 75, Folder 5	<b>Quantum Mechanics [?]</b>
Box 75, Folder 6	<b>Quarks, Effects of Widths and Energies, etc.</b>
Box 75, Folder 7	<b>Quark Models ca 1970</b>
Box 75, Folder 8	<b>Radiation Formulae/ Nuclear Interactions ca 1945</b>
Box 75, Folder 9	<b>Radiation of Gravitational Waves 1961</b>
Box 75, Folder 10	<b>Regge via Harmonic Oscillators, M. Kislinger</b>
Box 75, Folder 11	<b>Resonant Scattering; Astrophysical Notes and Calculations ca 1972-73</b>
Box 76, Folder 1	<b>Scalar Electrodynamics, Strong Coupling [?] 6 Nov 1974</b>
Box 76, Folder 2	<b>Singer Index Theory</b>
Box 76, Folder 3	<b>Solid State and Quantum Mechanics, Mexico and South America [?] ca 1971-72</b>
Box 76, Folder 4	<b>Spin 1/2 Leading Terms</b>
Box 76, Folder 5	<b>Spin Annealing ca 1983</b>
Box 76, Folder 6	<b>Structure of Jet</b>
Box 76, Folder 7	<b>Summary of A. I. Material by Lenant ca 1984</b>
Box 76, Folder 8	<b>Summary of Formulas for Quantum Electrodynamics ca 1950</b>
Box 76, Folder 9	<b>Summary of Rosenfield Table, Baryons 5/26/69</b>
Box 76, Folder 10	<b>Symmetries of 3 Objects 5/24/69</b>
Box 76, Folder 11	<b>Theoretical Ideas Used in Analyzing Strange Particles</b>
Box 76, Folder 12	<b>"The Qualitative Behavior of Yang-Mills Theory in 2+1 Dimensions" [published in Nuclear Physics B188, 1981]</b>
Box 76, Folder 13	<b>Transit of Venus</b>
Box 76, Folder 14	<b>Turbulence</b>
Box 76, Folder 15	<b>Two Component Equations</b>
Box 76, Folder 16	<b>Vacuum Polar: Pseudoscalar Mesons</b>
Box 76, Folder 17	<b><math>V_{\mu\nu}(\chi, \chi')</math></b>
Box 77, Folder 1	<b>Van der Waals Scattering</b>
Box 77, Folder 2	<b>Von Tilberg--Software Problems, Large Scale Software Systems ca 1983</b>
Box 77, Folder 3	<b>Vortex Line 10/26/67</b>

---

**Section VII: Working Notes And Calculations**

---

Box 77, Folder 4	<b>WKB Theory</b>
Box 77, Folder 5	<b>Weak Decays</b>
Box 77, Folder 6	<b>Weisskopf Kuti Wave Functions 2/28/72</b>
Box 77, Folder 7	<b>What is Intelligence and Related Notes on Artificial Intelligence</b>
Box 77, Folder 8	<b>"Work on Computer" Notebook Oct 1973</b>
Box 77, Folder 9	<b>Yang-Mills</b>
Box 77, Folder 10	<b>Young Diagrams, Weak Interactions</b>

---

**Section VIII: Work Of Others****Part A: Individuals, general**

Box 78, Folder 1	<b>Alfaro, Fubini and Furlan 1979, n.d.</b> <b>Preprints re Gravity</b>
Box 78, Folder 2	<b>Anderson, Orson L. 1965, n.d.</b> <b>Notes, photocopies, reprints</b>
Box 78, Folder 3	<b>Anderson, P. W. n.d.</b> <b>Preprint</b>
Box 78, Folder 4	<b>Barut, A. O. et al. 1984</b> <b>Reprint (photocopy) with Feynman's annotations re Dirac electron</b>
Box 78, Folder 5	<b>Bjorken, J. D. and Eguchi, T. 1963, 1976, 1983</b> <b>Reprints (photocopies), correspondence (J. Zmuidzinis)</b>
Box 78, Folder 6	<b>Blackmarr, Philip ca 1978-79</b> <b>Drawings</b>
Box 78, Folder 7	<b>Bonic, Robert 1974</b> <b>Typescript (photocopy), correspondence</b>
Box 78, Folder 8	<b>Botelho, Luiz C. L. n.d.</b> <b>Preprint</b>
Box 78, Folder 9	<b>Carlitz, R. and Kislinger, M. 1969</b> <b>Preprint</b>
Box 78, Folder 10	<b>Coleman, Sidney 1975-1977</b> <b>Lecture transcripts (photocopies)</b>
Box 78, Folder 11	<b>Dessler, A. J. 1961</b> <b>Reprint with Feynman's annotations and photo re cosmic radiation</b>
Box 78, Folder 12	<b>Dimotakis, P. E. 1984</b> <b>Reprints</b>
Box 78, Folder 13	<b>Dirac, P. A. M. 1931</b> <b>Article (photocopy)</b>
Box 78, Folder 14	<b>DuMond, Jesse 1960</b> <b>Reprint</b>
Box 78, Folder 15	<b>Einstein, Podolsky and Rosen 1935</b> <b>Article (photocopy)</b>
Box 78, Folder 16	<b>Fadeev, L. et al. 1967, 1970-71</b> <b>Articles (photocopies)</b>
Box 78, Folder 17	<b>Field, R. D. n.d.</b> <b>[Notebook:] Quark/Proton/Model RPF &amp; RDF</b>
Box 78, Folder 18	<b>Field, R. D. 1974-75</b> <b>Notes by Field and Feynman, preprint and reprint (photocopies) re <math>\eta</math>-<math>\eta'</math> mixing</b>
Box 78, Folder 19	<b>Field, R. D. 1981</b> <b>Preprint</b>
Box 78, Folder Folders 20-21	<b>Field, R. D. Applications of Perturbative QCD (book MS) 1987</b>  <b>(folder 20) Typescript of Chaps. 1-3 with Feynman's annotations, correspondence; (folder 21) typescript of Chaps. 4-5 with Feynman's annotations</b>
Box 79, Folder 1	<b>Field, R. D. Applications of Perturbative QCD (book MS) 1987</b> <b>Typescript of Chaps. 6-7, Appendix, with Feynman's annotations</b>
Box 79, Folder 2	<b>Field, R. D. 1978</b> <b>Preprint</b>

---

**Section VIII: Work Of Others**

---

Box 79, Folder 3	<b>Fox, Geoffrey 1983, n.d.</b> Preprints with extensive annotations by Feynman, including letter to "Mr. Flynn"
Box 79, Folder 4	<b>Fradkin, E. S. et al. 1976-78</b> Preprints, reprints
Box 79, Folder 5	<b>Frey, Alexander n.d.</b> Preprint re Hypercube
Box 79, Folder 6	<b>Fubini, S. et al. 1985 See also: Alfaro</b> Preprint, reprints (photocopies) re stochastics
Box 79, Folder 7	<b>Gell-Mann, Polyakov et al. 1975-76, n.d.</b> Typescript, reprint (photocopies) with Feynman's notes and annotations
Box 79, Folder 8	<b>Goodstein, D. 1975, n.d.</b> Articles (photocopies) re superfluid helium 3
Box 79, Folder 9	<b>Groenewold, H. J. 1946-1949</b> Reprints
Box 79, Folder 10	<b>Hopfield, John 1982-83, n.d.</b> Preprints (photocopies), reprint
Box 79, Folder 11	<b>Jackiw, Roman et al. 1976-83</b> Preprints, reprint, correspondence re Yang-Mills quantum theory, gauge theories
Box 79, Folder 12	<b>Julesz, Bela et al. 1974-81</b> Reprints, correspondence re: biological cybernetics
Box 80, Folder 1	<b>Kikuchi, Ryoichi et al. 1951, 1967, 1974</b> Reprints
Box 80, Folder 2	<b>Kosterlitz, J. and Thouless, D. J. 1972-73</b> Correspondence, reprints
Box 80, Folder 3	<b>LaBerge, Stephen et al. 1980-81</b> Preprints, reprints (some photocopy) re lucid dreaming
Box 80, Folder 4	<b>Langmuir, I. 1968</b> Article (photocopy), annotated
Box 80, Folder 5	<b>LaRue, George et al. 1977-79</b> Reprints (photocopies) with Feynman's annotations, dissertation, envelope
Box 80, Folder 6	<b>Mermin, N. D. 1981</b> Article (photocopy); Feynman's notes, [1] leaf
Box 80, Folder 7	<b>Motin, Harry Chris n.d.</b> Typescript notes with Feynman's annotations; Feynman's notes, [1] leaf
Box 80, Folder 8	<b>Nemec, Donald 1976</b> Typescript report re psychic phenomena
Box 80, Folder 9	<b>Platzman, P. et al. 1979</b> Preprints, reprint
Box 80, Folder 10	<b>Poggio, T. et al. 1976-83</b> Reprints (some photocopy); Feynman's notes, [1] leaf re biological cybernetics
Box 80, Folder 11	<b>Politzer, H. David 1974</b> Reprint (photocopy) with Feynman's annotations (138v)
Box 80, Folder 12	<b>Politzer, H. David 1977</b> Preprint
Box 80, Folder 13	<b>Polyakov, A. M. and Wiegman, P. B. ca 1983</b> Preprint with Feynman's annotations re Goldstone bosons <b>Polyakov, A. M. See also: Gell-Mann</b>
Box 80, Folder 14	<b>Privman, V. et al. ca 1985</b> Preprint
Box 80, Folder 15	<b>Reines, F. See: Vogel, P.</b> <b>Roshko, Anatol n.d.</b> Notes, [1] leaf; photos
Box 80, Folder 16	<b>Schwarz, John H. et al. 1980-81, n.d.</b> Preprints and reprint, with Feynman's annotations re superstrings
Box 80, Folder 17	<b>Scully, M. O. 1974</b> Correspondence, preprints re superconductivity
Box 80, Folder 18	<b>Seitz, Charles 1984-85</b> Correspondence, preprints, misc re Cosmic Cube

**Section VIII: Work Of Others**

---

Box 80, Folder 19	<b>Sirri, N. n.d.</b> <b>Technical Report "Inertial Sensors"</b>
Box 81, Folder 1	<b>[Student notes, unidentified] 1983</b>
Box 81, Folder 2	<b>Sutherland, Bill 1978</b> <b>Article (photocopy) re quantum soliton</b>
Box 81, Folder 3	<b>t'Hooft, G. et al. 1971-72</b> <b>Articles (photocopies)</b>
Box 81, Folder 4	<b>Thornber, K. K. n.d.</b> <b>Preprint</b>
Box 81, Folder 5	<b>Thorne, Kip 1981</b> <b>Correspondence, articles (photocopies)</b>
Box 81, Folder 6	<b>Title, Allen 1966</b> <b>Correspondence, photos</b>
Box 81, Folder 7	<b>Tuan, S. F. n.d.</b> <b>Preprint</b>
Box 81, Folder 8	<b>Van de Snepscheut, J. n.d.</b> <b>Correspondence, notes</b>
Box 81, Folder 9	<b>Vogel, P. et al. ca 1979-81</b> <b>Correspondence, typescripts, reprints; Feynman's notes, [2] leaves; misc re F. Reines, neutrino instability</b>
Box 81, Folder 10	<b>Walker, R. L. 1969</b> <b>Reprint with Feynman's annotations</b>
Box 81, Folder 11	<b>Wasserburg, G. J. et al. 1977</b> <b>Preprints</b>
Box 81, Folder 12	<b>Weinberg, Steven 1975, n.d.</b> <b>Preprints re bosons, symmetry breaking</b>
Box 81, Folder 13	<b>Weisskopf, Victor 1974-81</b> <b>Preprint, reprint (photocopy)</b>
Box 81, Folder 14	<b>Wilson, Kenneth G. 1972</b> <b>Transcript of lectures (photocopy) re QED</b>
Box 81, Folder 15	<b>Wilson, Kenneth G. 1975</b> <b>Article (photocopy) re renormalization group</b>
Box 81, Folder 16	<b>Wolfram, Stephen et al. ca 1978-79</b> <b>Preprints, reprints (photocopies), photos</b>
Box 82, Folder 1	<b>Yariv, Amnon et al. 1977-79</b> <b>Reprints</b>
Box 82, Folder 2	<b>Zewail, Ahmed et al. 1984</b> <b>Reprint, annotated</b> <b>Zmuidzinas, J. See: Bjorken, J.D.</b>
	<b>Part B: Subjects, general</b>
Box 82, Folder 3	<b>[From envelope:] Acceleration temperature 1976-84</b> <b>Articles (photocopies)</b>
Box 82, Folder 4	<b>Gauge theories, supersymmetry 1972-82, n.d.</b> <b>Preprints, reprints; Feynman's notes on back of <i>Lancet</i> article</b>
Box 82, Folder 5	<b>High energy physics, misc 1968-84</b> <b>Preprints, reprints, some with Feynman's annotations</b>
Box 82, Folder 6	<b>Holography 1979-80</b> <b>Correspondence, reprints</b>
Box 82, Folder 7	<b>Logic 1966-69</b> <b>Articles (photocopies)</b>
Box 82, Folder 8	<b>Low temperature physics, misc 1982</b> <b>Article (photocopy)</b>
Box 82, Folder 9	<b>Mayan (Dresden) codex 1986</b> <b>Correspondence, typescript</b>
Box 82, Folder 10	<b>Miscellaneous 1951-85</b> <b>Preprints, reprints, articles (some photocopies)</b>
Box 82, Folder 11	<b>Psychic phenomena 1982</b> <b>Article (photocopy) with Feynman's annotations</b>

**Section VIII: Work Of Others**

---

Box 82, Folder 12	<b>QCD, misc 1978-82</b> <b>Preprint, reprints</b>
Box 82, Folder 13	<b>QED, misc 1961-83</b> <b>Preprints, reprints, articles (some photocopies)</b>
Box 83, Folder 1	<b>Russian physicists, misc 1969-81, n.d.</b> <b>Preprints, reprints (photocopies)</b>
Box 83, Folder 2	<b>Solitons 1967-76</b> <b>Preprint, reprints (photocopies)</b>
Box 83, Folder 3	<b>Superstrings 1984-85</b> <b>Preprints, reprints (photocopies) See also: Schwarz, John</b>
Box 83, Folder 4	<b>[Unidentified book MS, incomplete] n.d.</b> <b>Typescript with Feynman's annotations</b>
Box 83, Folder 5	<b>[Unidentified book excerpt, in German, possibly Sophus Lie]</b> <b>Photocopy with Feynman's annotations</b>
	<b>Part C: Individuals, computer-related</b>
Box 83, Folder 6	<b>Abelson, H. and Sussman, G. 1983</b> <b>Technical report, "Structure and Interpretation of Computer Programs," with notes by Feynman, [2] leaves</b>
Box 83, Folder 7	<b>Bennett, Charles et al. 1973, 1985</b> <b>Preprints; notes by Feynman, [1] leaf</b>
Box 83, Folder 8	<b>Chaitin, Gregory et al. 1965-75</b> <b>Preprints re information theory</b>
Box 84, Folder 1	<b>Grossberg, Stephen 1982, n.d.</b> <b>Preprints, reprints (photocopies) re cognitive theory</b>
Box 84, Folder 2	<b>Hellwarth, R. W. et al. 1977-80</b> <b>Reprints re optics</b>
Box 84, Folder 3	<b>Hewlett Packard calculator HP-28C 1987</b> <b>Correspondence, documents</b>
Box 84, Folder 4	<b>Landauer, Rolf n.d.</b> <b>Preprints re physical limits of computation</b>
Box 84, Folder Folders 5-6	<b>MIT Artificial Intelligence Laboratory, misc</b>  <b>Reports, working papers</b>
Box 84, Folder 7	<b>Mjolsness, Eric 1986</b> <b>Research report, documents re networks</b>
	<b>Part D: Subjects, computer-related</b>
Box 84, Folder 8	<b>Artificial intelligence, misc n.d.</b> <b>Articles (photocopies)</b>
Box 84, Folder 9	<b>Cellular automata 1984-85</b> <b>Articles (photocopies)</b>
Box 84, Folder 10	<b>Computation, misc 1953-83, n.d.</b> <b>Articles, preprints (photocopies) with Feynman's annotations</b>
Box 84, Folder 11	<b>[Unidentified typescript] re connection machine ca 1985 [3] leaves</b>
Box 84, Folder 12	<b>Conservative logic 1978-82</b> <b>Reprint, preprint with Feynman's annotations and notes, [2] leaves</b>
Box 84, Folder 13	<b>Natural and artificial language 1968-77, n.d.</b> <b>Reprints, preprints</b>
Box 84, Folder 14	<b>Optical systems 1979-84</b> <b>Reprints</b>
Box 85, Folder 1	<b>Programming ca 1981-82</b> <b>Articles (photocopies)</b>
Box 85, Folder 2	<b>Simulated annealing 1982-84</b> <b>Research reports, IBM (photocopies)</b>
Box 85, Folder 3	<b>Software development 1983</b> <b>Typescript by R. Van Tilburg with Feynman's annotations</b>
Box 85, Folder 4	<b>Superconductivity 1979-84</b> <b>Reprints, articles (photocopies) with Feynman's annotations</b>
Box 85, Folder 5	<b>Symbolic integration 1968-78</b>



## Section XI: Supplements

---

Box 91, Folder 10	<b>Volume 21, July, 1949</b>
Box 91, Folder 11	<b>Volume 84, November 15, 1951</b>
Box 91, Folder 12	<b>Volume 85, January 15, 1952</b>
Box 91, Folder 13	<b>Volume 90, June 15, 1953</b>
Box 92, Folder 1	<b>Volume 91, September 15, 1953</b>
Box 92, Folder 2	<b>Volume 94, April 15, 1954</b>
Box 92, Folder 3	<b>Volume 102, June 1, 1956</b>
Box 92, Folder 4	<b>Volume 109, January 1, 1958</b>
Box 92, Folder 5	<b>Volume 129, March 15, 1963</b>
	<b>Miscellaneous Publications</b>
Box 92, Folder 6	<b>Kogut, John, and Leonard Susskind. The Parton Picture of Elementary Particles. <i>Physics Reports</i> 8C/2 (June, 1973).</b>
Box 92, Folder 7	<b>Particle Data Group. Review of Particle Properties. <i>Physics Letters</i> 170B (April 10, 1986).</b>
Box 92, Folder 8	<b>Megdal, Barry Bruce. "VLSI Computational Structures Applied to Fingerprint Image Analysis." Thesis, Caltech Computer Science Dept., 1983.</b>
Box 92, Folder 9	<b>Lang, Charles Richard. "The Extension of Object-oriented Languages to a Homogeneous, Concurrent Architecture." Thesis, Caltech Computer Science Dept., 1982.</b>
	<b>Supplement 1998</b>
	<b>Course and lecture notes by Feynman and others, 1983, 1987-88, undated.</b>
Box 93, Folder 1	<b>Notes and problems, "Drell-Yan Kinematics," partly in Feynman's, partly in another hand (undated)</b>
Box 93, Folder 2	<b>Notes, unidentified, in Feynman's hand (undated)</b>
Box 93, Folder 3	<b>Notes for Feynman's Physics 234b (Non-Perturbative QCD) 1983</b>
Box 93, Folder 4	<b>Notes for Feynman's Physics 234c (Non-Perturbative QCD) 1983</b>
Box 93, Folder 5	<b>Paper by P. Fisher with comments by Feynman, Physics 230a Fall 1987</b>
Box 93, Folder 6	<b>Notes for Feynman's Physics 230, 3 Nov-1 Dec, 1987</b>
Box 93, Folder 7	<b>Notes for Feynman's Physics 230, 5 Jan-2 Feb, 1988</b>
Box 93, Folder 8	<b>Notes to a Feynman course, unidentified</b>
	<b>Supplement 1999</b>
Box 93, Folder 9	<b>Correspondence, RPF, Laurie Brown and others 1950-1951 (photocopies)</b>
	<b>Additional boxes:</b>
	<b>Duplicates, including 3 v. of Lectures on Physics</b>
	<b>Oversize box</b>