



# Lipmann (Fritz Albert) papers

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## Summary Information

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<b>Repository:</b>	Rockefeller Archive Center
<b>Creator - aut:</b>	Lipmann, Fritz (Fritz Albert)
<b>Creator:</b>	Rockefeller University
<b>Creator:</b>	Rockefeller Institute for Medical Research
<b>Title:</b>	Fritz Albert Lipmann papers, Rockefeller University Faculty
<b>ID:</b>	FA123
<b>Date [inclusive]:</b>	1924-1986
<b>Physical Description:</b>	64.88 Cubic Feet
<b>Language of the Material:</b>	English

### Preferred Citation

Information regarding the Rockefeller Archive Center's preferred elements and forms of citation can be found at <http://www.rockarch.org/research/citations.php>

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## Biographical/Historical note

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Fritz Albert Lipmann, whose work gave scientists the basis for understanding how cells convert food into energy, was born in Koenigsberg, Germany on June 12, 1899. He earned an M. D. in 1924 and a Ph. D. in chemistry in 1927 at the University of Berlin. He joined Otto Meyerhof's group at the Kaiser Wilhelm Institute, first in Dahlem, then in Heidelberg and in 1930 he associated with Albert Fischer, whom he later followed to the Biological Institute of the Carlsberg Foundation in Copenhagen. Before leaving Germany for Copenhagen he spent the year 1931-1932 as a Rockefeller Foundation Fellow with PA Levene at The Rockefeller University, then known as The Rockefeller Institute for Medical Research.

In 1939 Dr. Lipmann came to the United States, to Vincent du Vigneaud's department at the Cornell Medical School. From 1941 until he joined The Rockefeller Institute in 1957, he was associated with the Massachusetts General Hospital and the Harvard Medical School, which in 1949 appointed him professor of biological chemistry. As a biochemist whose primary concern was the transmission, generation, and utilization of cellular energy, he proposed (in 1941) the concept of a metabolic dynamo by which energy-

rich phosphate bonds continuously supply the energy needed for the work of building and repairing cells. In 1945 Lipmann isolated Coenzyme A and identified it as a key substance in the biosynthesis of a great variety of cell constituents, including fatty acids, steroids, amino acids, hemoglobin and others. He found that it contained one of the B vitamins, pantothenic acid.

For this discovery of Coenzyme A and its recognition as one of the most important substances in body metabolism, Dr. Lipmann was awarded the Nobel Prize in Physiology or Medicine (along with Hans Krebs) in 1953. Dr. Lipmann moved to The Rockefeller Institute in 1957, becoming Professor Emeritus in 1970. At RU, he worked with charged tRNAs and moved into the field of elongation factors in ribosomal protein synthesis. EFTu and EFTs were discovered at the Rockefeller laboratory.

In 1966 President Johnson presented him with the National Medal of Science, the nation's highest award for scientific achievement, for his original discoveries of molecular mechanisms and his fundamental contributions to the conceptual structure of modern biochemistry. He received numerous other awards, including the Carl Neuberg Medal and the Mead Johnson Award. He was given honorary degrees from the University of Paris, Harvard University, the University of Chicago, the Albert Einstein College of Medicine, Brandeis University, Medizinische Hochschule (Hanover, Germany), the University of Copenhagen, and The Rockefeller University. In 1974, an annual Fritz Lipmann Lecture Series was established at the Max-Planck-Institut für Molekulare Genetik, in Berlin, by the Deutsche Gesellschaft für Biologische Chemie at the behest of his former students and colleagues. In 1975, he received the Orden Pour le mérite für Wissenschaften und Künste from President Walter Scheel of West Germany, in a ceremony held in Bonn. His professional memberships included the National Academy of Sciences, the Deutsche Akademie der Naturforscher Leopoldina in East Germany, a fellow of the Danish Royal Academy of Sciences, the New York Academy of Sciences, and a foreign member of the Royal Society in London.

Dr. Lipmann lectured widely and published numerous scientific articles, publishing at least one article for every year of his professional career, beginning in 1924 up to his death in 1986. He wrote an autobiography *The Wanderings of a Biochemist*, published by Wiley-Interscience, in 1971. Up until the time of his death, on July 24, 1986, at the age of 87, Dr. Lipmann was actively running a laboratory at The Rockefeller University and conducting research. In the last few years of his life, his research focused on the mechanism of protein synthesis.

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## Scope and Contents

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Types of records include: personal files, correspondence, lectures, notes, manuscripts, reprints, photographs, slides and audio-visual materials.

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## Arrangement note

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Arranged in chronological and alphabetical order.

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## File Plan note

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Former Classification: I 450 L667

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## Administrative Information

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### Publication Statement

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## Controlled Access Headings

- Life sciences
- Biochemistry
- Biology -- Research
- Science -- Biological and Medical
- Proteins -- Synthesis
- Cell and biomolecular sciences
- Proteins

## Collection Inventory

### Personal Files, 1924-1986

Physical Description: 1.75 Cubic Feet

#### Scope and Contents note

Includes award certificates, biographical material, magazines, a medal, telephone/calendar/address books.

Also includes: scroll from the Israel Biochemical Society; books: In Honoring We Are Honored A Brandeis University tribute to honorary degree recipients 1948-1963, and Roussel Uclaf, from France; Awards: Roswell Park Memorial Institute, 1980; medal, Paris 1979.

#### Arrangement note

Arranged in alphabetical and then in chronological order.

Title/Description	Instances	
American Academy of Arts and Sciences Nomination	box 1	folder 1
[magazines]	box 1	folder 2
[magazines]	box 1	folder 3
[various oversize documents]	box 1	folder 4
Paris Match magazine	box 1	folder 5
[oversize photos]	box 1	folder 6
[large negatives]	box 1	folder 7
Lipmann Memorial Concert, 1986	box 2	folder 1

Lipmann Memorial Concert, 1986	box 2	folder 2
Lipmann biographical material	box 2	folder 3
Triangle magazine	box 2	folder 4
Lipmann Symposium	box 2	folder 5
South American trip, 1963	box 2	folder 6
Lipmann laboratory blueprints	box 2	folder 7
Telephone address book	box 2	folder 8
[notebook]	box 2	folder 9
Degrees	box 2	folder 10
Giovannella slides	box 2	folder 11
Obituary materials	box 2	folder 12
Obituary materials	box 2	folder 13
Obituary materials	box 2	folder 14
Pasteur Anniversary	box 2	folder 15
Calendar/address books, 1957	box 3	folder 1
Calendar/address books, 1958	box 3	folder 2
Calendar/address books, 1959	box 3	folder 3
Calendar/address books, 1960	box 3	folder 4
Calendar/address books, 1961	box 3	folder 5
Calendar/address books, 1962	box 3	folder 6
Calendar/address books, 1963	box 3	folder 7
Calendar/address books, 1964	box 3	folder 8
Calendar/address books, 1965	box 3	folder 9
Calendar/address books, 1966	box 3	folder 10
Calendar/address books, 1967	box 4	folder 1
Calendar/address books, 1968	box 4	folder 2
Calendar/address books, 1969	box 4	folder 3
Calendar/address books, 1970	box 4	folder 4
Calendar/address books, 1971	box 4	folder 5
Calendar/address books, 1972	box 4	folder 6
Calendar/address books, 1973	box 4	folder 7
Calendar/address books, 1974	box 4	folder 8

Calendar/address books, 1975	box 4	folder 9
Calendar/address books, 1976	box 5	folder 1
Calendar/address books, 1977	box 5	folder 2
Calendar/address books, 1978	box 5	folder 3
Calendar/address books, 1979	box 5	folder 4
Calendar/address books, 1980	box 5	folder 5
Calendar/address books, 1981	box 5	folder 6
Calendar/address books, 1982	box 5	folder 7
Calendar/address books, 1983	box 5	folder 8

### Scope and Contents

1984 is not included in the collection.

Calendar/address books, 1985	box 5	folder 9
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### Scope and Contents

1984 is not included in the collection.

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## Correspondence, 1950-1986

Physical Description: 13.25 Cubic Feet

### Scope and Contents note

Includes both personal and professional correspondence.

### Arrangement note

Arranged in chronological and then in alphabetical order.

Title/Description	Instances	
["A"], 1950s	box 6	folder 1
Academic Press, 1950s	box 6	folder 2
American Society of Biological Chemists, 1950s	box 6	folder 3
American Society of Biological Chemists, 1950s	box 6	folder 4
American Society of Biological Chemists, 1950s	box 6	folder 5
Archives of Biochemistry and Biophysics	box 6	folder 6
["B"], 1950s	box 6	folder 7
["B"], 1950s		



	box 6	folder 8
Baddiley, Dr. J.	box 6	folder 9
Bronk, Dr. Detlev	box 6	folder 10
["C"], 1950s	box 6	folder 11
["C"], 1950s	box 6	folder 12
Committee on Non-clinical Investigators	box 6	folder 13
["D"], 1950s	box 7	folder 1
Dean Clark	box 7	folder 2
["E"], 1950s	box 7	folder 3
["F"], 1950s	box 7	folder 4
Furio D'Abramo	box 7	folder 5
["G"], 1950s	box 7	folder 6
G. D. Novelli	box 7	folder 7
Gregory, J. D.	box 7	folder 8
Geller, David M.	box 7	folder 9
Gordon Conference	box 7	folder 10
["H"], 1950s	box 7	folder 11
["H"], 1950s	box 7	folder 12
Hotels	box 7	folder 13
["I"], 1950s	box 7	folder 14
Israel material	box 7	folder 15
Interscience Publishers	box 7	folder 16
["J"], 1950s	box 8	folder 1
J. D. Judah Fellowship	box 8	folder 2
Jones, Mary Ellen-Fellowship	box 8	folder 3
Journal of the American Chemical Society	box 8	folder 4
["K"], 1950s	box 8	folder 5
["K"], 1950s	box 8	folder 6
["L"], 1950s	box 8	folder 7
["L"], 1950s	box 8	folder 8
["M"], 1950s	box 8	folder 9
["M"], 1950s	box 8	folder 10

Mager-Magnes Scholarship	box 9	folder 1
["N"], 1950s	box 9	folder 2
National Academy of Sciences	box 9	folder 3
Nobel letters	box 9	folder 4
Nose, Yoshitsugu	box 9	folder 5
Nozaki	box 9	folder 6
["O"], 1950s	box 9	folder 7
Ottawa	box 9	folder 8
["P"], 1950s	box 9	folder 9
["P"], 1950s	box 9	folder 10
Peck, Harry D.	box 9	folder 11
Pound Bill	box 9	folder 12
["Q"], 1950s	box 9	folder 13
Rabinowitz, Murray	box 9	folder 14
Rhode Island Symposium	box 9	folder 15
Robbins, Phillips W.	box 9	folder 16
Rockefeller Foundation	box 9	folder 17
Rockefeller Institute	box 9	folder 18
["S"], 1950s	box 10	folder 1
["S"], 1950s	box 10	folder 2
Sharon, Nathan	box 10	folder 3
Szilard, P.	box 10	folder 4
["T"], 1950s	box 10	folder 5
Tax information	box 10	folder 6
Travel expense sheets	box 10	folder 7
Travel information	box 10	folder 8
["U"], 1950s	box 10	folder 9
["V"], 1950s	box 10	folder 10
Vogue magazine material	box 10	folder 11
["W"], 1950s	box 10	folder 12
["W"], 1950s	box 10	folder 13
Weber, H. H.	box 10	folder 14

Weiss, Samuel	box 10	folder 15
["X-Y-Z"]	box 10	folder 16
["A"], 1957-1960	box 11	folder 1
Acs, George	box 11	folder 2
American Society of Biological Chemists	box 11	folder 3
Archives of Biochemistry and Biophysics	box 11	folder 4
["B"], 1957-1960	box 11	folder 5
["B"], 1957-1960	box 11	folder 6
Bates, Harold M.	box 11	folder 7
Brandeis University	box 11	folder 8
Brode, Dr. Wallace R.	box 11	folder 9
["C"], 1957-1960	box 11	folder 10
["C"], 1957-1960	box 11	folder 11
Cahn, Max L.	box 11	folder 12
Calif. visit	box 11	folder 13
Christmas cards	box 11	folder 14
["D"], 1957-1960	box 12	folder 1
Delbruck, Axel	box 12	folder 2
Democratic Advisory Committee	box 12	folder 3
["E"], 1957-1960	box 12	folder 4
European Chemists	box 12	folder 5
["F"], 1957-1960	box 12	folder 6
Federation meetings	box 12	folder 7
Federation of American Societies for Experimental Biology	box 12	folder 8
["G"], 1957-1960	box 12	folder 9
["G"], 1957-1960	box 12	folder 10
Gunther vs. Ehrenstein	box 12	folder 11
["H"], 1957-1960	box 12	folder 12
["H"], 1957-1960	box 12	folder 13
Hartmann, Guido	box 12	folder 14
Hasegawa, Eiichi	box 12	folder 15
Hulsmann, W. C.	box 12	folder 16

["I"], 1957-1960	box 13	folder 1
["J"], 1957-1960	box 13	folder 2
Japanese Biochemical Society	box 13	folder 3
["K"], 1957-1960	box 13	folder 4
["K"], 1957-1960	box 13	folder 5
Kaplan	box 13	folder 6
Khorana, H. G.	box 13	folder 7
["L"], 1957-1960	box 13	folder 8
Lane	box 13	folder 9
["M"], 1957-1960	box 13	folder 10
["M"], 1957-1960	box 13	folder 11
McCorquodale & Shapira	box 13	folder 12
Meyer, Karl	box 13	folder 13
Monro, Robin	box 13	folder 14
["N"], 1957-1960	box 13	folder 15
Netherlands Symposium	box 13	folder 16
New York Academy meeting	box 14	folder 1
["O"], 1957-1960	box 14	folder 2
Oak Ridge Symposium	box 14	folder 3
["P"], 1957-1960	box 14	folder 4
Petrack, Barbara	box 14	folder 5
["R"], 1957-1960	box 14	folder 6
["S"], 1957-1960	box 14	folder 7
["S"], 1957-1960	box 14	folder 8
["S"], 1957-1960	box 14	folder 9
Szafranski Przemyslaw	box 14	folder 10
["T"], 1957-1960	box 14	folder 11
Takeda, Masao	box 14	folder 12
Traut, R. R.	box 14	folder 13
["U-V"], 1957-1960	box 14	folder 14
["W"], 1957-1960	box 14	folder 15
["W"], 1957-1960	box 14	folder 16

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["A"], 1961-1964	box 15	folder 1
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Allende, Jorge E.	box 15	folder 3
["B"], 1961-1964	box 15	folder 4
["B"], 1961-1964	box 15	folder 5
["B"], 1961-1964	box 15	folder 6
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Bloemendal, H.	box 15	folder 8
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Chapeville, F.	box 15	folder 11
Conway, Thomas W.	box 15	folder 12
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["E"], 1961-1964	box 15	folder 14
Ebashi, Setsuro	box 16	folder 1
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["F"], 1961-1964	box 16	folder 3
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["J"], 1961-1964	box 16	folder 13
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Journal of the American Chemical Society	box 16	folder 15
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Kuncan, Zeljko	box 17	folder 1
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["N"], 1961-1964	box 17	folder 11
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Ofengand, James	box 17	folder 15
["P"], 1961-1964	box 18	folder 1
["P"], 1961-1964	box 18	folder 2
["R"], 1961-1964	box 18	folder 3
["R"], 1961-1964	box 18	folder 4
["S"], 1961-1964	box 18	folder 5
["S"], 1961-1964	box 18	folder 6
["S"], 1961-1964	box 18	folder 7
["S"], 1961-1964	box 18	folder 8
["S"], 1961-1964	box 18	folder 9
["T"], 1961-1964	box 18	folder 10
["U"], 1961-1964	box 18	folder 11
["V"], 1961-1964	box 18	folder 12
["W"], 1961-1964	box 18	folder 13
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Applications for laboratory work	box 19	folder 4
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["B"], 1965-1968	box 19	folder 7
["B"], 1965-1968	box 19	folder 8
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Biochemistry manuscript review	box 19	folder 11
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Fleissner, Erwin	box 21	folder 7
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["G"], 1965-1968	box 21	folder 9
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Ilan, Joseph	box 22	folder 5
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Copenhagen, 1968	box 25	folder 11
["D"], 1969-1970	box 25	folder 12
["E"], 1969-1970	box 25	folder 13
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Fox, J. Lawrence	box 26	folder 6
France	box 26	folder 7
["G"], 1969-1970	box 26	folder 8
Ganoza, M. Clelia	box 26	folder 9
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Gevers, Wieland	box 26	folder 11
Gold, Lawrence	box 26	folder 12
["H"], 1969-1970	box 27	folder 1
["H"], 1969-1970	box 27	folder 2
Haenni, Ann-Lise	box 27	folder 3
Herrlich, Peter	box 27	folder 4
Hirsh, David	box 27	folder 5
Huberman, Alberto	box 27	folder 6
["I"], 1969-1970	box 27	folder 7
["J"], 1969-1970	box 27	folder 8
["K"], 1969-1970	box 27	folder 9

["K"], 1969-1970	box 27	folder 10
Kamer, Martin	box 27	folder 11
Kaplan, N. O.	box 27	folder 12
Khorana, H. G.	box 27	folder 13
Krisko, Istvan	box 27	folder 14
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["L"], 1969-1970	box 28	folder 2
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["M"], 1969-1970	box 28	folder 6
["M"], 1969-1970	box 28	folder 7
Malken, Martin	box 28	folder 8
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1969-1970	box 29	folder 15
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["V"], 1969-1970	box 29	folder 18
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["B"], 1971-1973	box 30	folder 6
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Bauer, Karl	box 30	folder 8
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Biophysics Congress	box 30	folder 11
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Book correspondence	box 30	folder 13
Book correspondence	box 30	folder 14
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Calif	box 31	folder 2
Cold Spring Harbor	box 31	folder 3
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["D"], 1971-1973	box 31	folder 6
["E"], 1971-1973	box 31	folder 7
Evins, Warren H.	box 31	folder 8
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["I"], 1971-1973	box 32	folder 4
Institut de la Vie meeting	box 32	folder 5
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Physical Description: 1 Cubic Feet

### Scope and Contents note

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### Arrangement note

Arranged in alphabetical order.

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Accounts paper seconds	box 49	folder 3
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## Laboratory Files, 1930-1985

Physical Description: 10 Cubic Feet

### Scope and Contents note

Information on grants and grant applications, notes on laboratory experiments, receipts for laboratory purchases and travel expenses, records of laboratory personnel and students.

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Arranged in alphabetical order.

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Nomenclature-Waldo Cohn	box 121	folder 7
NSF grant at Rockefeller Foundation	box 121	folder 8
NSF grant, 1970	box 121	folder 9
NSF grant, 1970	box 121	folder 10
NSF grant, 1973	box 121	folder 11
NSF grant, 1980-1982	box 121	folder 12
Oversigt over Selskabets Virksomhed	box 122	folder 1
Oxalacetic acid	box 122	folder 2
Palmetto pigeon plant	box 122	folder 3
Past personnel	box 122	folder 4
Permanent reprint list	box 122	folder 5
Personnel-current	box 122	folder 6
Personnel-current	box 122	folder 7
Personnel, 1982-1986	box 122	folder 8
Personnel matters-faculty list change	box 122	folder 9
Personnel matters-forms, various	box 122	folder 10
Personnel-past	box 122	folder 11
Phosphorus, total	box 123	folder 1
Philip Handler	box 123	folder 2
Prentice-Hall	box 123	folder 3
Preparation notes	box 123	folder 4
Protein and nucleic acid	box 123	folder 5
Protein biosynthesis in historical perspective	box 123	folder 6
Public Health Service study section	box 123	folder 7
Public Health Service study section	box 123	folder 8
Public Health Service study section	box 123	folder 9
Polyamino acids as protein models	box 123	folder 10
Polyamino acids as protein models	box 123	folder 11
Polyamino acids as protein models	box 123	folder 12
Polyamino acids as protein models	box 123	folder 13
Polyamino acids as protein models	box 123	folder 14
Radioactive isotopes-regulations	box 124	folder 1

Ravello meeting-September 2-15, 1963	box 124	folder 2
Recent excitement in the coding problem	box 124	folder 3
Reprint mailing list	box 124	folder 4
Ribonuclease-free ribosomes from E. Coli	box 124	folder 5
Rozen, Elizabeth-Laboratory assistant	box 124	folder 6
Rules for publication	box 124	folder 7
Rutgers symposium	box 124	folder 8
Rockefeller Institute-budget	box 124	folder 9
Rockefeller Institute-budget	box 124	folder 10
Rockefeller Institute-miscellaneous	box 124	folder 11
Rockefeller Institute-Quarterly	box 124	folder 12
Rockefeller Institute-talk to trustees, 1958	box 124	folder 13
Rockefeller University annual reports	box 125	folder 1
Rockefeller University annual reports	box 125	folder 2
Rockefeller University budget	box 125	folder 3
Rockefeller University catalogue	box 125	folder 4
Rockefeller general information	box 125	folder 5
Rockefeller general information	box 125	folder 6
Rockefeller University miscellaneous	box 125	folder 7
Rockefeller University personnel forms	box 125	folder 8
Science and Nature advertisements	box 126	folder 1
Science and technology	box 126	folder 2
Scientific and educational programs	box 126	folder 3
Simpson, Melvin	box 126	folder 4
Slaughter house permit	box 126	folder 5
South American trip, 1963	box 126	folder 6
South American trip, 1963	box 126	folder 7
Space research	box 126	folder 8
Space research	box 126	folder 9
Space research	box 126	folder 10
Srere	box 126	folder 11
Stereochemistry	box 126	folder 12

Strasbourg, France, 1981 September 20	box 126	folder 13
Student information	box 127	folder 1
Student information	box 127	folder 2
Student information	box 127	folder 3
Student information 2	box 127	folder 4
Student information 2	box 127	folder 5
Student seminar, 1962 December	box 127	folder 6
Student seminar, 1962 December	box 127	folder 7
Sturtevant, Dr. Julian M.	box 127	folder 8
Subscriptions	box 127	folder 3
Suiko, Dr. Masahito	box 127	folder 4
Sulfate activation	box 127	folder 5
Sulfate transfer	box 127	folder 6
Texas and Florida meetings, 1980 March 20-26	box 128	folder 1
Theater and the university	box 128	folder 2
Toyoda, Dr. Yukiyasu	box 128	folder 3
Transcript specificity fractionation	box 128	folder 4
Traut thesis	box 128	folder 5
Travel expense sheets, 1954	box 128	folder 6
Travel expenses	box 128	folder 7
Travel information, 1958	box 128	folder 8
Tyrosine-o-sulfate	box 128	folder 9
Über die Prozesse	box 128	folder 10
Undersogelser Over	box 128	folder 11
United States Public Health Service [USPHS] Grant	box 129	folder 1
USPHS Grant, 1966-1967	box 129	folder 2
USPHS Grant, 1966-1967	box 129	folder 3
USPHS Grant, 1967-1968	box 129	folder 4
USPHS Grant, 1968-1969	box 129	folder 5
USPHS Grant, 1969-1970	box 129	folder 6
USPHS Grant, 1970-1971	box 129	folder 7
USPHS Grant, 1970-1971	box 129	folder 8

USPHS Grant, 1971-1973	box 129	folder 9
USPHS Grant, 1971-1973	box 129	folder 10
USPHS Grant, 1972-1973	box 129	folder 11
USPHS Grant, 1973-1974	box 129	folder 12
USPHS Grant, 1974-1975	box 130	folder 1
USPHS Grant, 1975-1976	box 130	folder 2
USPHS Grant, 1976-1977	box 130	folder 3
USPHS Grant, 1977-1978	box 130	folder 4
USPHS Grant, 1977-1978	box 130	folder 5
USPHS Grant, 1978-1979	box 130	folder 6
USPHS Grant, 1980	box 130	folder 7
USPHS Grant request for Rockefeller Institute	box 130	folder 8
Virtis freezer-dryer, 1984	box 130	folder 9
Walsh thesis	box 131	folder 1
Walsh thesis	box 131	folder 2
Walsh thesis	box 131	folder 3
Wang, Hwei-Xun	box 131	folder 4
Welch Foundation	box 131	folder 5
Woods Hole Oceanographic Institution	box 131	folder 6
Workshops on shock, 1962 June 19	box 131	folder 7
Workshops on shock, 1962 June 19	box 131	folder 8

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## Professional Societies, 1957-1979

Physical Description: 6 Cubic Feet

### Scope and Contents note

Correspondence, literature of various academic professional societies, notes from society meetings, peer reviews of numerous scientific articles.

### Arrangement note

Arranged in alphabetical and then in chronological order.

#### Title/Description

#### Instances

Academic Press

	box 132	folder 1
American Cancer Society-Council for Research and Clinical Investigation Awards1 of 2	box 132	folder 2
American Cancer Society-Council for Research and Clinical Investigation Awards2 of 2	box 132	folder 3
American Cancer Society grant applications	box 132	folder 4
American Cancer Society grant renewals	box 132	folder 5
American Chemical Society meeting	box 132	folder 6
American Chemical Society, 1965-1966	box 132	folder 7
American Chemical Society, 1967-1969	box 132	folder 8
American Chemical Society, 1968	box 132	folder 9
American Chemical Society, 1970-1971	box 132	folder 10
American Chemical Society, 1973-1974	box 132	folder 11
American Chemical Society national meeting, 1959	box 132	folder 12
American Chemical Society national meeting, 1964	box 132	folder 13
American Chemical Society symposium on microstructure of proteins	box 132	folder 14
American Institute of Biological Sciences	box 133	folder 1
American Longevity Association	box 133	folder 2
American Philosophical Society	box 133	folder 3
American Society for Microbiology	box 133	folder 4
American Society for Microbiology - New York meeting, 1975	box 133	folder 5
American Society for Microbiology, 1986 March 20-23	box 133	folder 6
American Society of Biological Chemists	box 133	folder 7
American Society of Biological Chemists	box 133	folder 8
American Society of Biological Chemists-Council material	box 133	folder 9
American Society of Biological Chemist, 1957-1959	box 133	folder 10
American Society of Biological Chemists	box 133	folder 11
American Society of Biological Chemists	box 133	folder 12
American Society of Biological Chemists	box 133	folder 13
American Society of Biological Chemists	box 133	folder 14
American Society of Biological Chemist, 1961	box 134	folder 1
American Society of Biological Chemist, 1961	box 134	folder 2
American Society of Biological Chemist, 1961		

	box 134	folder 3
American Society of Biological Chemist, 1961	box 134	folder 4
American Society of Biological Chemist, 1962-1964	box 134	folder 5
American Society of Biological Chemist, 1965-1966	box 134	folder 6
American Society of Biological Chemist, 1967-1970	box 134	folder 7
American Society of Biological Chemist, 1970-1973	box 134	folder 8
American Society of Biological Chemist, 1974	box 134	folder 9
American Society of Biological Chemists-annual meeting, 1961	box 134	folder 10
American Society of Biological Chemists-genetics symposium	box 134	folder 11
Arden House	box 134	folder 12
Carlsberg Foundation	box 135	folder 1
CIBA-cell regulation	box 135	folder 2
Cold Spring Harbor Symposium	box 135	folder 3
Curriculum vitae and press releases	box 135	folder 4
Curriculum vitae and press releases	box 135	folder 5
Curriculum vitae and press releases	box 135	folder 6
EMBO	box 135	folder 7
EMBO	box 135	folder 8
EMBO	box 135	folder 9
EMBO	box 135	folder 10
EMBO	box 135	folder 11
EMBO-2	box 135	folder 12
EMBO-2	box 135	folder 13
EMBO forms and instructions	box 136	folder 1
EMBO, 1969-1970	box 136	folder 2
EMBO, 1971	box 136	folder 3
EMBO, 1971	box 136	folder 4
EMBO, 1971	box 136	folder 5
EMBO, 1972	box 136	folder 6
EMBO, 1972	box 136	folder 7
EMBO, 1973	box 136	folder 8
EMBO, 1973	box 136	folder 9

Faber Foundation	box 136	folder 10
FEBS	box 136	folder 11
Federation of American Scientists	box 136	folder 12
Federation meetings-Lipmann dinner	box 136	folder 13
Federation meetings, 1959-1963	box 137	folder 1
Federation meetings, 1964-1965	box 137	folder 2
Federation meetings, 1968	box 137	folder 3
Federation meetings, 1969	box 137	folder 4
Federation meetings, 1970	box 137	folder 5
Federation meetings, 1973	box 137	folder 6
Federation meetings, 1974	box 137	folder 7
Federation meetings, 1975	box 137	folder 8
Federation meetings, 1976	box 137	folder 9
Federation meetings, 1977	box 137	folder 10
Federation meetings, 1978	box 137	folder 11
Federation meetings, 1979	box 137	folder 12
Federation meetings, 1980	box 137	folder 13
Federation meetings, 1981	box 137	folder 14
Federation meetings, 1982	box 137	folder 15
Federation meetings, 1983	box 137	folder 16
Federation meetings, 1984	box 137	folder 17
Fifth International Biochemical Congress, Moscow, 1961	box 137	folder 18
Fifth International Biochemical Congress, Moscow, 1961	box 137	folder 19
Funaguma. Dr. Tooru	box 138	folder 1
Gordon conferences	box 138	folder 2
Grants-transfer requests	box 138	folder 3
Honoraria requests	box 138	folder 4
Institut de la Vie, Versailles, 1977	box 138	folder 5
Institut de la Vie, Vienna, 1979	box 138	folder 6
Institut de la Vie, Vienna, 1981	box 138	folder 7
Insurance claims	box 138	folder 8
Insurance policies	box 138	folder 9



International Congress for Microbiology	box 138	folder 10
Labaratory animal center	box 138	folder 11
Labaratory animal center	box 138	folder 12
Lee, Dr. Sung	box 138	folder 13
Life sciences	box 138	folder 14
Lipmann reunion dinner, 1982	box 138	folder 15
McClellan Hospital Scientific Advisory Committee	box 139	folder 1
McClellan Hospital Scientific Advisory Committee	box 139	folder 2
Medicare	box 139	folder 3
Massachusetts General Hospital Scientific Advisory Committee	box 139	folder 4
Massachusetts General Hospital Scientific Advisory Committee	box 139	folder 5
Massachusetts General Hospital Scientific Advisory Committee	box 139	folder 6
Massachusetts General Hospital Scientific Advisory Committee	box 139	folder 7
National Academy of Sciences	box 139	folder 8
National Academy of Sciences	box 139	folder 9
National Academy of Sciences	box 139	folder 10
National Academy of Sciences	box 139	folder 11
National Academy of Sciences	box 140	folder 1
National Academy of Sciences	box 140	folder 2
National Academy of Sciences	box 140	folder 3
National Academy of Sciences	box 140	folder 4
National Academy of Sciences	box 140	folder 5
National Academy of Sciences Fall meeting	box 140	folder 6
National Academy of Sciences refereed papers	box 140	folder 7
National Academy of Sciences refereed papers	box 140	folder 8
National Academy of Sciences, 1957-1958	box 140	folder 9
National Academy of Sciences, 1959	box 140	folder 10
National Academy of Sciences, 1960	box 140	folder 11
National Academy of Sciences, 1960	box 140	folder 12
National Academy of Sciences, 1961	box 140	folder 13
National Academy of Sciences, 1962	box 140	folder 14
National Academy of Sciences, 1963	box 141	folder 1

National Academy of Sciences, 1964	box 141	folder 2
National Academy of Sciences, 1964	box 141	folder 3
National Academy of Sciences, 1964	box 141	folder 4
National Academy of Sciences, 1965	box 141	folder 5
National Academy of Sciences, 1965	box 141	folder 6
National Academy of Sciences, 1966	box 141	folder 7
National Academy of Sciences, 1966	box 141	folder 8
National Academy of Sciences, 1967	box 141	folder 9
National Academy of Sciences, 1968	box 141	folder 10
National Academy of Sciences, 1968	box 141	folder 11
National Academy of Sciences, 1969	box 141	folder 12
National Academy of Sciences, 1970	box 141	folder 13
National Academy of Sciences, 1971	box 142	folder 1
National Academy of Sciences, 1971	box 142	folder 2
National Academy of Sciences, 1972	box 142	folder 3
National Academy of Sciences refereed papers	box 142	folder 4
National Academy of Sciences refereed papers	box 142	folder 5
National Academy of Sciences refereed papers	box 142	folder 6
National Academy of Sciences, 1974	box 142	folder 7
National Academy of Sciences, 1975	box 142	folder 8
National Academy of Sciences, 1975	box 142	folder 9
National Academy of Sciences, 1976	box 142	folder 10
National Academy of Sciences, 1976	box 142	folder 11
National Academy of Sciences, 1976	box 142	folder 12
National Academy of Sciences, 1977	box 143	folder 1
National Academy of Sciences, 1977	box 143	folder 2
National Academy of Sciences, 1977	box 143	folder 3
National Academy of Sciences, 1977	box 143	folder 4
National Academy of Sciences, 1978	box 143	folder 5
National Academy of Sciences, 1978	box 143	folder 6
National Academy of Sciences, 1978	box 143	folder 7
National Academy of Sciences, 1978	box 143	folder 8

National Council for Civic Responsibility	box 143	folder 9
National Heart Institute	box 143	folder 10
National Heart Institute	box 143	folder 11
National Institute of Health grant	box 144	folder 1
National Institute of Health application	box 144	folder 2
National Institute of Health grants, 1957-1958	box 144	folder 3
National Institute of Health grant number 13972-16	box 144	folder 4
National Institute of Health grant number 13972-17	box 144	folder 5
National Institute of Health grant number 13972-18	box 144	folder 6
National Institute of Health grant number 13972-19	box 144	folder 7
National Institute of Health grant number 13972-20	box 144	folder 8
National Institute of Health grant number 13972-21	box 144	folder 9
National Institute of Health grant information	box 144	folder 10
National Institute of Health Gregory grant	box 144	folder 11
National Science Foundation Continuation grant	box 144	folder 12
National Science Foundation grant application	box 144	folder 13
National Science Foundation grant application	box 145	folder 1
National Science Foundation grants	box 145	folder 2
National Science Foundation Interdisciplinary Enzyme Group	box 145	folder 3
National Science Foundation grants, 1957-1962	box 145	folder 4
National Science Foundation meeting, 1957 October 25-26	box 145	folder 5
National Science Foundation meeting expenses	box 145	folder 6
National Science Foundation, 1958-1960	box 145	folder 7
National Science Foundation, 1958-1960	box 145	folder 8
National Science Foundation, 1958-1960	box 145	folder 9
National Science Foundation, 1961	box 146	folder 1
National Science Foundation, 1962	box 146	folder 2
National Science Foundation, 1963	box 146	folder 3
National Science Foundation, 1964	box 146	folder 4
National Science Foundation, 1965	box 146	folder 5
National Science Foundation, 1965	box 146	folder 6
National Science Foundation, 1966	box 146	folder 7

National Science Foundation, 1967	box 146	folder 8
National Science Foundation, 1967	box 146	folder 9
National Science Foundation, 1967	box 146	folder 10
National Science Foundation, 1968	box 146	folder 11
National Science Foundation, 1968	box 146	folder 12
National Science Foundation, 1968	box 146	folder 13
National Science Foundation, 1969-1970	box 147	folder 1
National Science Foundation, 1969-1970	box 147	folder 2
National Science Foundation, 1969-1970	box 147	folder 3
National Science Foundation, 1971	box 147	folder 4
National Science Foundation, 1971	box 147	folder 5
National Science Foundation, 1972	box 147	folder 6
National Science Foundation, 1973	box 147	folder 7
National Science Foundation, 1974	box 147	folder 8
National Science Foundation, 1974	box 147	folder 9
National Science Foundation, 1974	box 147	folder 10
National Science Foundation, 1982-1986	box 147	folder 11
National Science Foundation, 1982-1986	box 147	folder 12
New York Academy of Sciences	box 148	folder 1
New York Academy of Sciences, 1968	box 148	folder 2
Philosophical Society	box 148	folder 3
Pontifical Academy of Sciences meeting Rome	box 148	folder 4
Pontifical Academy of Sciences meeting Rome	box 148	folder 5
Royal Society London	box 148	folder 6
Royal Society anniversary meeting, 1963 November	box 148	folder 7
Rockefeller University Press	box 148	folder 8
Shouldice Hospital (hernia operation)	box 148	folder 9
Sixth International Congress of Biochemistry	box 148	folder 10
Sixth International Congress of Biochemistry	box 148	folder 11
Sixth International Congress of Biochemistry	box 148	folder 12
Symposium on enzyme chemistry	box 148	folder 13
Vienna Congress, 1958 September	box 148	folder 14

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## Nobel Prize Files, 1953

Physical Description: 0.33 Cubic Feet

### Scope and Contents note

Includes biographical material, congratulations correspondence, newspaper clippings, photographs, press releases.

### Arrangement note

Arranged by subject.

Title/Description	Instances	
Nobel Prize biography	box 149	folder 1
[Nobel Prize booklets]	box 149	folder 2
Nobel Prize Ceremony Photographs	box 149	folder 3
Nobel Prize Ceremony Photographs	box 149	folder 4
Nobel Prize clippings	box 149	folder 5
Nobel Prize correspondence	box 149	folder 6
[Nobel Prize miscellaneous]	box 149	folder 7
Nobel Prize press releases	box 149	folder 8

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## Fritz Lipmann Photographs, 1930-1986

Physical Description: 0.33 Cubic Feet

### Scope and Contents note

Includes photographs spanning Dr Lipmann's entire career, from 1930 in Germany up to a few months before his death. Subjects include awards ceremonies, colleagues, formal portraits, informal shots, laboratory groups, lectures, parties, vacations.

### Arrangement note

Arranged in alphabetical order by subject; many photos not dated or identified.

### Controlled Access Headings:

- Photographs

Title/Description	Instances	
1963	box 150	folder 1
Madrid, 1969		

	box 150	folder 2
[meeting], 1970s	box 150	folder 3
Awards ceremonies	box 150	folder 4
Bethesda meeting, Spring 1982	box 150	folder 5
Brandeis Graduation, 1959	box 150	folder 6
Brandeis University symposium, 1982 June	box 150	folder 7
Campus views	box 150	folder 8
Christmas party, 1978	box 150	folder 9
Colleagues	box 150	folder 10
Colleagues, 1970	box 150	folder 11
Colleagues group shots	box 150	folder 12
Copenhagen laboratory, 1930s-1940s	box 150	folder 13
FASEB meeting	box 150	folder 14
Gene expression work session, 1966 November 20-22	box 150	folder 15
Informal shots	box 150	folder 16
Israel meeting	box 150	folder 17
Kyoto, Japan	box 150	folder 18
Laboratory and others	box 150	folder 19
Lindau conference	box 150	folder 20
Lipmann Eighty-second birthday party	box 150	folder 21
Lipmann Eighty-fifth birthday party Japan	box 150	folder 22
Lipmann laboratory	box 150	folder 23
Lipmann picnic	box 150	folder 24
Luncheon in Squibb Park, 1954 June 8	box 150	folder 25
[meeting], circa late 1950s-early 1960s	box 150	folder 26
New Brunswick, New Jersey, 1953 September 18	box 150	folder 27
New Hampton School, 1958 June 16-20	box 150	folder 28
Paris meeting	box 150	folder 29
Portraits	box 150	folder 30
Protein metabolism symposium, 1968 April	box 150	folder 31
Rockefeller University graduation, 1964-1965	box 150	folder 32
Sixth International Biochemistry Congress, 1964	box 150	folder 33

Strasbourg, 1981 September 23	box 150	folder 34
Symposium 1969 Cold Spring Harbor, 1969	box 150	folder 35
Symposium on protein synthesis	box 150	folder 36
Vatican meetings, 1961	box 150	folder 37
Photographs	box 171	

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## Rolodex Files, 1950s

Physical Description: 0.33 Cubic Feet

### Scope and Contents

Includes one file with names and addresses of colleagues. Second file contains list of colleagues to be sent reprints.

Rolodex file cards, 3 x 5, containing hundreds of addresses.

### Arrangement

Arranged in alphabetical order.

Title/Description	Instances
Rolodex Files, 1950s	box 151

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## Slides, circa 1960

Physical Description: 2 Cubic Feet

### Scope and Contents

Slides consist of scientific drawings, graphs and microscopic photographs. Probably used in conjunction with lectures and publications.

Hundreds of slides of scientific photographs, drawings and graphs none identified.

### Arrangement

Arranged as found; none are identified or dated.

Title/Description	Instances
Slides, circa 1960s	box 153

box 155

box 154

box 156

box 157

box 152

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## Negatives, 1950s

Physical Description: 1 Cubic Feet

### Arrangement

Arranged as found; many not identified or dated.

### Scope and Contents

Negatives of drawings, graphs and microscopic photographs used in articles and slides.

Hundreds of negatives used to make slides and reproduce scientific illustrations none identified.

Title/Description	Instances
Negatives, 1950s	box 158
	box 159
	box 160

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## Lipmann Reprints, 1924-1985

Physical Description: 2.5 Cubic Feet

### Scope and Contents note

Includes at least one copy (with a few exceptions) of every article Dr. Lipmann published. Two copies are included for the majority of articles, although with earlier articles only one copy could be found.

### Arrangement note

Arranged in chronological order.

Title/Description	Instances
Lipmann reprints 1-90, two bound volumes	box 161
Lipmann reprints 91-166, two bound volumes	box 162
Lipmann reprints 167-272, two bound volumes	box 163



Lipmann reprints 273-330, two bound volumes	box 164	
Lipmann reprints 331-399, one bound volume	box 165	
Lipmann reprints 400-449, one bound volume	box 166	
unbound single copy article reprints - 13, 17, 49, 51, 64, 123, 141, 149, 153, 173, 174, 175, 176, 183, 185, 206, 207	box 167	folder 1
unbound single copy article reprints - 227, 227a, 230, 232, 236, 237, 241, 243a, 249, 255, 258, 262, 263, 265	box 167	folder 2
unbound single copy article reprints - 267, 270, 271, 273, 282, 283, 293, 298, 299	box 167	folder 3
unbound single copy article reprints - 301, 302, 305, 311-313, 316, 317, 320-322, 328, 345, 355, 364, 367a, 370, 374, 375	box 167	folder 4
unbound single copy article reprints - 382 (e & f), 388, 408-412, 413, 414-415	box 167	folder 5
unbound single copy article reprints - 386, 394, 397, 416-420, 421b, 422-425	box 168	folder 1
unbound single copy article reprints - 427-431, 433-434, 435 (b & c), 436	box 168	folder 2
unbound single copy article reprints - 437-446, 448	box 168	folder 3
unbound single copy article reprints - 449-457, 459-465	box 168	folder 4
unbound single copy article reprints - 466-479	box 168	folder 5
unbound single copy article reprints - 480-483, 485-493	box 168	folder 6
unbound single copy article reprints - 494-516	box 168	folder 7
Bibliography of Reprints	box 168	folder 8

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## Audio-visual Material, various; 1960

Physical Description: 0.75 Cubic Feet

### Scope and Contents note

Various audio-visual material: audio reels, cassettes and film reels. Audio cassettes contain recordings of Dr Lipmann giving lectures in San Francisco and Harvard. Other media not identified.

Title/Description	Instances
audio cassettes	box 169

Conditions Governing Access:

### Conditions Governing Access

RAC is unable to provide access to obsolete media, due to the specialized equipment necessary to facilitate playback.

When feasible, a digital surrogate may be created via special order. All applicable charges will apply. See RAC Head of Archival Services or RAC Head of Digital Programs for details.

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unidentified

Conditions Governing Access:

**Conditions Governing Access**

RAC is unable to provide access to the original item, due to the specialized equipment necessary to facilitate playback. When feasible, a digital surrogate may be created via special order. All applicable charges will apply. See RAC Head of Archival Services or RAC Head of Digital Programs for details.

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San Francisco lecture 4 Part one, 1972 January 27

Conditions Governing Access:

**Conditions Governing Access**

RAC is unable to provide access to the original item, due to the specialized equipment necessary to facilitate playback. When feasible, a digital surrogate may be created via special order. All applicable charges will apply. See RAC Head of Archival Services or RAC Head of Digital Programs for details.

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San Francisco lecture 4 Part two, 1972 January 27

Conditions Governing Access:

**Conditions Governing Access**

RAC is unable to provide access to the original item, due to the specialized equipment necessary to facilitate playback. When feasible, a digital surrogate may be created via special order. All applicable charges will apply. See RAC Head of Archival Services or RAC Head of Digital Programs for details.

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San Francisco lecture 5, 1972 February 3

Conditions Governing Access:

**Conditions Governing Access**

RAC is unable to provide access to the original item, due to the specialized equipment necessary to facilitate playback. When feasible, a digital surrogate may be created via special order. All applicable charges will apply. See RAC Head of Archival Services or RAC Head of Digital Programs for details.

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First lecture, 1972 January 6

Conditions Governing Access:

## Conditions Governing Access

RAC is unable to provide access to the original item, due to the specialized equipment necessary to facilitate playback. When feasible, a digital surrogate may be created via special order. All applicable charges will apply. See RAC Head of Archival Services or RAC Head of Digital Programs for details.

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Second lecture, 1972 January 13

Conditions Governing Access:

### Conditions Governing Access

RAC is unable to provide access to the original item, due to the specialized equipment necessary to facilitate playback. When feasible, a digital surrogate may be created via special order. All applicable charges will apply. See RAC Head of Archival Services or RAC Head of Digital Programs for details.

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Third lecture, 1972 January 20

Conditions Governing Access:

### Conditions Governing Access

RAC is unable to provide access to the original item, due to the specialized equipment necessary to facilitate playback. When feasible, a digital surrogate may be created via special order. All applicable charges will apply. See RAC Head of Archival Services or RAC Head of Digital Programs for details.

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Biochemistry lecture, 1972 March 2

Conditions Governing Access:

### Conditions Governing Access

RAC is unable to provide access to the original item, due to the specialized equipment necessary to facilitate playback. When feasible, a digital surrogate may be created via special order. All applicable charges will apply. See RAC Head of Archival Services or RAC Head of Digital Programs for details.

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microfilm

box 169

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reels: Cambridge University Library, PAD 4671, A. Sarabhai,  
176 exposures Negative of Sarabhai thesis, 1969 April 3

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canister: Chantrenne notebook microfilm, 1950

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audio reels

box 169

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Israel lectures, 1966 April-May

Conditions Governing Access:

## Conditions Governing Access

RAC is unable to provide access to the original item, due to the specialized equipment necessary to facilitate playback. When feasible, a digital surrogate may be created via special order. All applicable charges will apply. See RAC Head of Archival Services or RAC Head of Digital Programs for details.

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Chemistry of Molecular Nitrogen by George W Parshall

Conditions Governing Access:

### Conditions Governing Access

RAC is unable to provide access to the original item, due to the specialized equipment necessary to facilitate playback. When feasible, a digital surrogate may be created via special order. All applicable charges will apply. See RAC Head of Archival Services or RAC Head of Digital Programs for details.

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video reel: unidentified

box 169

Conditions Governing Access:

### Conditions Governing Access

RAC is unable to provide access to the original item, due to the specialized equipment necessary to facilitate playback. When feasible, a digital surrogate may be created via special order. All applicable charges will apply. See RAC Head of Archival Services or RAC Head of Digital Programs for details.

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audio cassettes

box 170

unidentified

Conditions Governing Access:

### Conditions Governing Access

RAC is unable to provide access to the original item, due to the specialized equipment necessary to facilitate playback. When feasible, a digital surrogate may be created via special order. All applicable charges will apply. See RAC Head of Archival Services or RAC Head of Digital Programs for details.

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Cleveland lecture, October 1973, with handwritten transcription/  
notes, 1973 October

Conditions Governing Access:

### Conditions Governing Access

RAC is unable to provide access to the original item, due to the specialized equipment necessary to facilitate playback. When feasible, a digital surrogate may be created via special order. All applicable charges will

apply. See RAC Head of Archival Services or RAC Head of Digital Programs for details.

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Lecture, 1972 March 9

Conditions Governing Access:

**Conditions Governing Access**

RAC is unable to provide access to the original item, due to the specialized equipment necessary to facilitate playback. When feasible, a digital surrogate may be created via special order. All applicable charges will apply. See RAC Head of Archival Services or RAC Head of Digital Programs for details.

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San Francisco lecture six, 1972 February 10

Conditions Governing Access:

**Conditions Governing Access**

RAC is unable to provide access to the original item, due to the specialized equipment necessary to facilitate playback. When feasible, a digital surrogate may be created via special order. All applicable charges will apply. See RAC Head of Archival Services or RAC Head of Digital Programs for details.

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audio reel

box 170

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Rockefeller University talk, 1967 May

Conditions Governing Access:

**Conditions Governing Access**

RAC is unable to provide access to the original item, due to the specialized equipment necessary to facilitate playback. When feasible, a digital surrogate may be created via special order. All applicable charges will apply. See RAC Head of Archival Services or RAC Head of Digital Programs for details.

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Columbia talk, 1962 October

Conditions Governing Access:

**Conditions Governing Access**

RAC is unable to provide access to the original item, due to the specialized equipment necessary to facilitate playback. When feasible, a digital surrogate may be created via special order. All applicable charges will apply. See RAC Head of Archival Services or RAC Head of Digital Programs for details.

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Caspary talk, 1971 April 6

Conditions Governing Access:

## Conditions Governing Access

RAC is unable to provide access to the original item, due to the specialized equipment necessary to facilitate playback. When feasible, a digital surrogate may be created via special order. All applicable charges will apply. See RAC Head of Archival Services or RAC Head of Digital Programs for details.

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audio spool: unidentified

box 170

Conditions Governing Access:

### Conditions Governing Access

RAC is unable to provide access to the original item, due to the specialized equipment necessary to facilitate playback. When feasible, a digital surrogate may be created via special order. All applicable charges will apply. See RAC Head of Archival Services or RAC Head of Digital Programs for details.

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film reel: Biosynthesis of Gramicidan S. by Fritz Lipmann

box 170

Conditions Governing Access:

### Conditions Governing Access

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