



Kunitz (Moses) papers

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Rockefeller Archive Center

15 Dayton Avenue

Sleepy Hollow 10591

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Summary Information

| | |
|---|---|
| Repository: | Rockefeller Archive Center |
| Creator: | Rockefeller University |
| Creator: | Rockefeller Institute for Medical Research |
| Creator - aut: | Kunitz, Moses |
| Title: | Moses Kunitz papers, Rockefeller University Faculty |
| ID: | FA171 |
| Date [inclusive]: | 1913-1970 |
| Physical Description: | 9.13 Cubic Feet |
| General Physical Description note: | 12 boxes, 1 package; 1 tube package, 2 volumes |
| Language of the Material: | 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

Moses Kunitz, 1887-1978 researcher in general pathology and biochemistry worked on the physical and chemical properties of proteins and enzymes at the Rockefeller University (earlier RIMR) from 1913 until his retirement in 1970. His research covered the purification and crystallization of a number of very important enzymes which take part in forming and utilizing energy-rich compounds within the body.

| Biographical note | |
|-------------------|------------------------------------|
| 1887 | Born December 19 in Slonim, Russia |
| 1909 | Migrated to the United States |

| | |
|-----------|--|
| 1916 | B.S. Cooper Union, New York City (1910 entered School of Chemistry) |
| 1916-1919 | Cooper Union Electrical Engineering School |
| 1919 | Extension Teaching Columbia University, New York City |
| 1920 | School of Mines, Engineering and Chemistry, Columbia Univ. |
| 1922 | Faculty of Pure Science, Columbia University |
| 1924 | Ph. D. Columbia University, New York City (Biological Chemistry) |
| 1913-1923 | Technical Assistant, Rockefeller Institute for Medical Research Worked with Jacques Loeb in experimental biology. From 1926 with John Northrop at Princeton laboratories |
| 1923-1925 | Assistant, RIMR (General Physiology) |
| 1925-1940 | Associate, RIMR (General Physiology) |
| 1944 | Civilian with Office of Scientific Research and Development |
| 1950-1953 | Member, RIMR |
| 1953- | Member Emeritus, RIMR |
| 1957 | Carl Neuberg Medal (American Society of European Chemists & Pharmacists) |
| 1970 | Retired from The Rockefeller University |
| 1973 | Honorary Degree, RU, New York City |
| 1978 | Died April 20 in Philadelphia, Pa. Interred Wellwood Cemetery on Long Island, N.Y. |

Member of: National Academy of Sciences, American Association for the Advancement of Science, Society for Experimental Biology, Society of General Physiologists, American Society of Biological Chemists

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Scope and Contents

Types of records include: biographical material, notes, slides, photographs, reprints, and memorabilia.

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Arrangement note

Arranged in chronological order within subject.

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File Plan note

Former Classification: I 450 K962

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Administrative Information

Publication Statement

Rockefeller Archive Center

15 Dayton Avenue
Sleepy Hollow 10591
archive@rockarch.org

URL: <http://www.rockarch.org>

Immediate Source of Acquisition

Dates received or inventoried: 1970, 1974, 1978, 1984. All received or inventoried in 1970, 1974, or 1978 unless otherwise noted.

Conditions Governing Access note

Access to this collection is restricted pending permission from Rockefeller University.

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Controlled Access Headings

- Pathology
- Proteins -- Synthesis
- Medicine, Preventive
- Biology -- Research
- Cell and biomolecular sciences
- Chemistry
- Medical education
- Medical research
- Proteins
- Medical sciences
- Diseases
- Prevention and health
- Biochemistry

Collection Inventory

| Title/Description | Instances |
|---|-----------|
| Biographical material | box 1 |
| Scope and Contents note Photograph, bibliography, obituary notice Honorary Degree citation. | |
| Crystal preparation | box 1 |

Scope and Contents note

3 letters : Greene, Lewis J. ; Schmid, Karl; Stern, Herbert.

| | |
|-------------------|-------|
| Student notebooks | box 1 |
|-------------------|-------|

Scope and Contents note

11 notebooks of course material from Cooper Union and from Columbia.

Laboratory notes and records

| | |
|---|-------|
| Laboratory procedures | box 2 |
| Gelatin, alcohol and salt ppt, 1920-1921 | box 2 |
| Gelatin, viscosity, O.P., P.D., 1921-1922 | box 2 |
| Gelatin, swelling-diffusion potentials, 1921-1927 | box 2 |
| Egg albumin, 1921 | box 2 |
| Conductivity 1920; Electrical endomosis 1921-1922, 1920, 1921-1922 | box 2 |
| Casein, 1921 1923-1924 | box 2 |
| Cataphoresis, 1922-1923 | box 3 |
| Ion combination, 1924-1925 | box 3 |
| Isoelectric gelatin, 1925-1929 | box 3 |
| Diffusion gelatin 1930; Diffusion experiments 1934-1951, 1930 1934-1951 | box 3 |
| Trypsin, 1931-1932 | box 3 |
| Laboratory notes and records | box 4 |
| Tsin denaturation 1932-1933; Inactivation of Tsin 1933, 1932-1933 | box 4 |
| Chymatgen; Trypsinogen, 1933 | box 4 |
| Degamma; Activation by Enterokinase, 1933 | box 4 |
| Trypsin 1934-1935; Activation of Trypsinogen 1934-1937, 1934 1935-1937 | box 4 |
| Trypsin-pancreatic inhibitor compound 1938 | box 4 |
| Chymotrypsin, 1936-1937 1937-1938 | box 4 |
| Mold kinase, 1937 | box 5 |
| Thromboplastin; Enterokinase, 1938 | box 5 |
| Ribonuclease, 1939-1940 1945-1946 | box 5 |
| Hexokinase, 1941-1942 1943 | box 5 |

| | |
|---|--------|
| Absorption spectra data, 1944-1951 | box 5 |
| Soybean denaturation 1945-1946; Soybean inhibitor 1946, 1945-1946 | box 5 |
| B. Brodsky notebook, no. 4, 1945 | box 5 |
| Desoxyribonuclease, 1946-1948 1949-1950 | box 6 |
| Nucleo-proteins, 1948 1949 1949-1950 | box 6 |
| Scope and Contents note | |
| Including 1970 January 1 letter from Vincent Allfrey commenting "very first to employ nucleases and proteases in study of histone-DNA interaction". | |
| Cu Phenal 1950; Pyrophosphatase, 1950 | box 6 |
| Pyrophosphatase, 1951 | box 6 |
| Invertase, 1951 1952-1953 1961 | box 7 |
| Yeast phosphatase, 1953 1953-1954 1954 1954-1955 | box 7 |
| Yeast phosphatase, 1955-1956 | box 8 |
| Intestinal phosphatase - preparation, 1957-1958 | box 8 |
| Intestinal phosphatase (chicken), 1957-1959 | box 8 |
| Scope and Contents note | |
| Material for publication and calculations. | |
| Intestinal phosphatase: references, charts, tables, rough draft | box 8 |
| Laboratory log books | box 8 |
| Beckman Spectrophotometer, 1959 | |
| Zwischenferment, 1958-1959 | |
| Isolation of Zwischenferment, 1960 | |
| Zwischenferment, 1961 | |
| Zwischenferment, 1962 | |
| Isolation of pyrophosphatase, 1960-1961 | |
| Isolation of Asparaginase, 1961-1962 | |
| Yeast (Bakers and Brewers), 1957-1959 | box 9 |
| Yeast asparaginase, 1961-1964 January | box 9 |
| Yeast experiments (Alan Absgarten notes), 1962-1963 | box 9 |
| Potato phosphatase, 1959-1960 1960-1961 1963 1964-1965 | box 9 |
| Laboratory notes and records, 1965-1966 1967-1970 | box 10 |

Scope and Contents note

Potato phosphatase.

Lantern slides

box 11

Physical Description: 3¼ × 4 inch

Scope and Contents note

Graphs and charts and photographs of crystals.

Laboratory photographs

box 12

untitled

Original drawings of illustrations used in publications

Unidentified

Scope and Contents note

Journal of General Physiology: v. 18, no. 3; v. 19, no. 6; v. 21, no. 5; v. 22, no. 2; v. 24, no. 1; v. 25, no. 1; v. 29, no. 3; v. 29, no. 6; v. 30, no. 4; v. 32, no. 1; v. 33, no. 4; v. 35, no. 3.

Original drawings of illustrations used in publications

box 1 pkg.

Physical Description: 12 × 14¾ × ½" (oversize)

Scope and Contents note

Journal of General Physiology: v. 23, no. 3; v. 43, no. 6; v. 45, no. 4.

Certificate of membership in National Academy of Sciences

box 1 tube

Physical Description: 2¾ × 17½"

pkg.

Collected Reprints, 1923-1970

Separated Materials:

Separated Materials

Removed to RAC Library

Photographs of Moses Kunitz, group photographs at Princeton and of Princeton Staff and Rockefeller Institute views

box 13

folder 1

Immediate Source of Acquisition:

Immediate Source of Acquisition

Received by the Rockefeller University Archives, November 1984, from Mrs. Roslyn Albert (Dr. Kunitz's daughter) via Professor Emeritus William Trager.

Moses Kunitz, Early undated

Princeton laboratory photograph of M.L. Anson, R.M. Herriott, J.H. Northrop, V. Desreaux and M. Kunitz, 1939

Princeton laboratory photograph of M. Kunitz, M.L. Anson, J.H. Northrop, unidentified, undated

RIMR, Princeton Staff group photograph. See photo for some identification, undated

RIMR, Princeton Staff group photograph, 1942

RIMR, Princeton Staff group photograph, 1947

Photographs, undated

Scope and Contents note

M. Kunitz in Dining Room, Welch Hall with Dr. Tsao?.

M. Kunitz with William Trager.

M. Kunitz. Official portrait.

RI Hospital with hospital addition, 1950

RI Campus from East River with Hospital addition, 1950

Photographs of others

box 13

folder 2

Immediate Source of Acquisition:

Immediate Source of Acquisition

Received by the Rockefeller University Archives, November 1984, from Mrs. Roslyn Albert (Dr. Kunitz's daughter) via Professor Emeritus William Trager.

Various photographs of Mortimer L. Anson. One with Kreuger, undated

Simon Flexner, at Woods Hole, Mass. Carrying books under left arm, 1923

Jacques Loeb. Photo by Louis Schmidt, 1923

At Woods Hole?, undated

Scope and Contents note

Includes.

Jacques Loeb

Jacques Loeb and Brandes

Parking area at Marine Biological Laboratories, Woods Hole, Mass

Leo Loeb at microscope, undated

Leonor Michaelis. Official portrait, undated

Assorted prints, undated

Scope and Contents note

Some identified.

Includes: David Hitchcock; Dr. Lilly; Thomas Moore; Dr. Parker; Dr. Chambers is one of three on photograph; The Worthingtons.

Remaining photographs unidentified.

| | | |
|---|--------|----------|
| Hans Neurath reprint with inscription. "To Moses Kunitz who started it all, with the best wishes, " January 1965, signed Hans Neurath. On 1964 Dec reprint. Hans Neurath, "Protein-digesting Enzymes". Science 211 (1964) 68-78, 1964 December-1965 January | box 13 | folder 3 |
|---|--------|----------|

Immediate Source of Acquisition:

Immediate Source of Acquisition

Received by the Rockefeller University Archives, November 1984, from Mrs. Roslyn Albert (Dr. Kunitz's daughter) via Professor Emeritus William Trager.

| | | |
|--------------------|--------|----------|
| re: William Trager | box 13 | folder 4 |
|--------------------|--------|----------|

Immediate Source of Acquisition:

Immediate Source of Acquisition

These items appear to have been sent to Mrs. R. Albert by William Trager, July 27, 1976.

Immediate Source of Acquisition:

Immediate Source of Acquisition

Received by the Rockefeller University Archives, November 1984, from Mrs. Roslyn Albert (Dr. Kunitz's daughter) via Professor Emeritus William Trager.

Printed leaflet contains professional and biographical information and Principle Contributions to Science by William Trager

New York Times, "Hope Rises for Vaccine Against Malaria". News clipping, 1976 June 1

| | | |
|---|--------|--|
| Laboratory notes, bibliography and reprints | box 14 | |
|---|--------|--|

Immediate Source of Acquisition:

Immediate Source of Acquisition

Received by the Rockefeller University Archives, November 1984, from Mrs. Roslyn Albert (Dr. Kunitz's daughter) via Professor Emeritus William Trager.

| | | |
|---|--------|----------|
| Bound alphabetical record book of subject lab notes primarily reference for chemical compounds and scientific equivalents | box 14 | folder 1 |
|---|--------|----------|

Laboratory notebooks

| | | |
|--|--------|----------|
| | box 14 | folder 2 |
| Potato acid phosphatase (crystals), 1968 October-1969 April | | |
| Potato acid phosphatase. Wheat germ, 1968-1971 | | |
| Laboratory notes | box 14 | folder 3 |
| Asparaginas, 1962 | | |
| Potatoe-acid phosphatase, 1970-1971 | | |
| Kunitz, Moses bibliography, 1923-1962 | box 14 | folder 4 |
| Reprints. Kunitz et al reprints | box 14 | folder 5 |
| Scope and Contents note | | |
| Includes J.H. Northrop reprint with inscription to Kunitz. | | |
| Margaret McDonald lab notes on ribonuclease, 1948 | box 14 | folder 6 |
| Scope and Contents note | | |
| [Found in Kunitz volume of collected reprints 1932-1948. #15. McDonald reprint.]. | | |
| Memorabilia | box 15 | |
| <u>Immediate Source of Acquisition:</u> Immediate Source of Acquisition | | |
| Received by the Rockefeller University Archives, November 1984, from Mrs. Roslyn Albert (Dr. Kunitz's daughter) via Professor Emeritus William Trager. | | |
| Academic Robe | | |
| Carl Neuberg Medal | | |
| Scope and Contents note | | |
| Awarded to Moses Kunitz, 3 April 1957, Hunter College, New York City, American Society of European Chemists and Pharmacists Carl Neuberg Medal Meeting. From Printed Program in Medal case: Fritz Lipmann, "Greetings to Moses Kunitz." Roger M. Herriott, "Moses Kunitz: The Man and His Contributions to Science". | | |
| Mounted membership certificate | | |
| Moses Kunitz, Class of 1915, 1915-1965 June 9 | | |
| Golden Legion Membership Certificate, Mounted | | |

Scope and Contents note

Awarded by this Cooper Union Alumni organization whose members have made significant contributions to their professions.

A calendar page with following written on it " U J A 8 p.m. 220 W 58", 1932-1948 1968 February 28

Scope and Contents note

[Found in Kunitz collected reprints 1932-1948 (bound volume) with #15 reprint, p. 40 of M.R. McDonald reprint.

M. Kunitz Collected Reprints

Volume 1a, 1924-1931

Volume 2a, 1932-1948

Charts from Moses Kunitz's office

package #3

Immediate Source of Acquisition:

Immediate Source of Acquisition

Given and identified by Prof. Paul Cranefield.

Scope and Contents note

Ammonium sulfate concentration table.

Graph from L. Michaelis book.

Processing Information:

Processing Information

Catalogued 1985 June 17.

Immediate Source of Acquisition:

Immediate Source of Acquisition

Received by the Rockefeller University Archives, November 1984, from Mrs. Roslyn Albert (Dr. Kunitz's daughter) via Professor Emeritus William Trager.

Honorary doctorate from RU, 1973

package #4

Immediate Source of Acquisition:

Immediate Source of Acquisition

Received by the Rockefeller University Archives, November 1984, from Mrs. Roslyn Albert (Dr. Kunitz's daughter) via Professor Emeritus William Trager.

Processing Information:

Processing Information

Catalogued 1985 June 17.