

UNIVERSITY of PENNSYLVANIA



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A Guide to the
Alfred Newton Richards, 1876 – 1966,
Papers, 1904 – 1969

38 Cubic ft.

UPT 50 R514

Prepared by Maureen B. Spectre
under the direction of Theresa R. Snyder

November 1991

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**Guide to the
Alfred Newton Richards, 1876 – 1966,
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PROVENANCE

Transferred to the University Archives in 1956, 1968, 1969, and 1976.

ARRANGEMENT

The papers of Alfred Newton Richards, Professor of Pharmacology at the University of Pennsylvania, 1910-1966, are arranged in five series. They include: Correspondence, 1906-1966 (6 1/2 cubic ft.); Professional Papers, 1910-1969 (2 1/2 cubic ft.); Organizations, 1904-1966 (19 cubic ft.); University, 1904-1961 (4 cubic ft.); and Writings, 1915-1963 (6 cubic ft.).

Correspondence is arranged chronologically and then alphabetically under each year. Organizations are arranged alphabetically, some organizations comprising one file folder, others, several cubic feet. The largest grouping, Merck, comprises 5 cubic feet. In the University series, experiments carried out by colleagues and students are filed alphabetically by name. Experiments carried out solely by Richards or in conjunction with colleagues and students are filed alphabetically by subject. In the Writings series, abstracts are arranged alphabetically by

subject. Articles are arranged into three subseries: articles by Richards; articles written collaboratively with colleagues; and third party articles. Journals and pamphlets are arranged alphabetically by title. The arrangement of Professional Papers is reflected in the inventory.

BIOGRAPHICAL NOTE

Alfred Newton Richards was born on March 22, 1876 in Stamford, New York, to Reverend Leonard E. Richards and Mary Elizabeth Burbank Richards. He was named after Reverend Alfred Newton, the father of Mary Richards' best friend. Both of Alfred Newton Richards' parents had been schoolteachers before marrying, and his mother held a degree from Granville Female Seminary (now a division of Dennison University). Their devotion to religion and education had a great impact on Richards' life.

Richards attended the Stamford Seminary and Union Free School, graduating in 1892. He then went on to Yale University, where he received a B.A. with honors in chemistry in 1897. The following year, through the aid of Professor R.H. Chittendon, Richards received a fellowship to study at the Sheffield Scientific School at Yale. When Chittendon moved on to the College of Physicians and Surgeons of Columbia University, Richards went with him and spent ten years there. In 1901, he became the first person to receive a Ph.D. in physiological chemistry from the Graduate School of Columbia University. Through the aid of Christian Heurter, a faculty member at Columbia and a trustee of the Rockefeller Institute, Richards became the first person to receive a scholarship from the Rockefeller Institute. In 1901, by means of the scholarship, he was able, along with Heurter, to carry on experiments with epinephrine in the Laboratory of Physiological Chemistry at Columbia. In 1904, Heurter and John Abel founded the *Journal of Biological Chemistry*. At their invitation, Richards became associate editor, and, upon Heurter's death in 1910, managing editor, a position he held until 1914. While at Columbia, Richards began teaching an elective course in pharmacology; in 1907, the popularity of Richards' course helped Heurter to incorporate pharmacology into Columbia's curriculum.

Richards left Columbia in 1908 to help set up a department of pharmacology at Northwestern Medical School. On December 26 of that same year, he married Lillian Woody. After two years of work at Northwestern, Richards arrived at the University of Pennsylvania Medical School in 1910 to be chair of Pharmacology, a position which he occupied until 1946, when he became Professor Emeritus.

After the United States entered World War I, Richards went to Britain to study wound shock with Henry H. Dale and the staff of the British Medical Research Committee. In 1918 he became a major in the U.S. Sanitary Corps and was sent to France to set up a laboratory for the study of the effects of gas warfare. The war ended before equipment for the laboratory arrived, and Richards returned to Philadelphia, receiving an honorable discharge.

It was upon Richards' return that his work in kidney function took place, leading to kidney micropuncture and results which supported the filtration-reabsorption concept. In 1939, due to the death of Alfred Stengel, Richards was named Vice-President in Charge of Medical Affairs at the University of Pennsylvania, a position which he held until 1948.

In 1941, he became Chairman of the Committee on Medical Research (C.M.R.) of the Office of Scientific Research and Development (O.S.R.D.), an office founded by President Roosevelt. One of Richards' main accomplishments during his tenure as Chairman was to help make penicillin widely available to troops and to the public. Between 1941 and 1946, Richards divided his time between his duties as Vice President for Medical Affairs at the University of Pennsylvania and his duties as Chairman of C.M.R.; often this meant working in Philadelphia during the week and then working in Washington, D.C. through the weekend. When the O.S.R.D. was officially terminated in 1946, Richards had a short respite before being elected to the Presidency of the National Academy of Sciences in 1947, a position which he held for three years.

In 1948, President Hoover appointed Richards to the Medical Affairs Task Force of the Commission on the Organization of the Executive Branch of the Government, a group which

prepared the Report on Medical Services. Also in 1948, Richards became a member of the Board of Directors of Merck & Co. He had been a consultant to the company since 1931, and between 1953 and 1955, he served as Chairman of the Scientific Committee of the Board of Directors. In 1948, Richards also became an Associate Trustee of the University of Pennsylvania.

Throughout his life, Richards received many honors and awards, including the Abraham Flexner Award of the Association of American Medical Colleges, the Gerhard Medal of the Pathological Society of Philadelphia, the Kober Medal of the Association of American Physicians, the John Scott Medal of the City of Philadelphia, the gold medal of the New York Academy of Medicine, the Keyes Medal of the Association of Genito-Urinary Surgeons, the Philadelphia Bok Award, the Procter Award of the Philadelphia Drug Exchange, the Guggenheim Cup Award, the Lasker Award, and the Kovalenko Medal of the National Academy of Sciences. He was also honored by having a Kahn-designed medical building named after him at the University of Pennsylvania.

Richards held the following honorary degrees: Doctor of Science from the University of Pennsylvania, Western Reserve University, Yale University, Harvard University, Columbia University, Williams College, Princeton University, and New York University; Doctor of Laws from the University of Edinburgh and Johns Hopkins University; Doctor of Medicine from the University of Pennsylvania and the University of Louvain.

He was a member of numerous organizations, including the National Academy of Sciences, the American Philosophical Society, the American Physiological Society, the American Society of Biological Chemists, and the Association of American Physicians. Richards died in 1966, two days after his ninetieth birthday. He had one child, Alfred Newton Richards, Jr., who died in a plane crash in 1962; Richards' wife died in 1971. They had four grandchildren.

SCOPE AND CONTENT

The Alfred Newton Richards Papers, 1910-1966, 1969, mainly document the professional and academic activities of Richards, with the exception of a small group of personal correspondence, most of which relates to honors received by him. The collection begins in 1910, the year that Richards arrived at the University of Pennsylvania, but includes a few earlier papers.

The Correspondence files contain professional correspondence, most of which was written during Richards' tenure as Vice President for Medical Affairs at the University of Pennsylvania. However, much of the third party correspondence is composed of earlier files which Richards, upon becoming Vice President for Medical Affairs, inherited from Alfred Stengel, the preceding Vice President. It should be noted that most correspondence which relates directly to specific organizations, such as Merck, is filed with those associations, under the Organizations series, although inevitably, some correspondence relating to organizations has been interfiled in the Correspondence files.

The Professional Papers include newspaper clippings, meeting minutes, memoranda, finances, reports, and other professional documents. Photographs of Richards, 1919-1964, and of the University of Pennsylvania, including the Richards Building, dedicated in 1960, are among these files. Also included are drafts and copies of a 1969 supplement to the *Annals of Internal Medicine* called "Alfred Newton Richards, Scientist and Man," a tribute to Richards by his colleagues and friends.

The major groupings in the Organizations series are the Committee on Drug Addictions, the Committee on Medical Research, the Commonwealth Fund, Hall-Mercer Hospital, Merck & Co., the National Academy of Sciences, the Office of Scientific Research and Development, Penicillin, Sharpe & Dohme, the Wistar Institute, World War I, and many others. Each organization includes correspondence, meeting minutes, finances, and other papers.

The University series consists of Richards' class lectures, notes regarding his courses, and laboratory experiment work. The laboratory experiments include those carried out by colleagues and students and those carried out solely by Richards or in conjunction with colleagues and students. Kidney function is the general subject of most of the experiments, but many specific aspects of this subject are examined. Also in the University series are miscellaneous experiments, photographs, charts, and graphs.

The Writings series includes bibliographies of others' work; abstracts which were presumably written by Richards; a bibliography of Richards' articles, 1955; Richards' articles themselves, 1922-1963; Richards' collaborative articles, 1915-1941; articles by others; journals and pamphlets; and reprints.

University Archives and Records Center
University of Pennsylvania

**Richards Family
Collection, 1819 - 1944. Alfred Newton Richards, 1910 - 1966,
Papers, 1904 - 1966, 1969**

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INVENTORY

CORRESPONDENCE

Incoming

Box 1	FF 1	1906-1929
	FF 2	1930, A-G
	FF 3	1930, H-L
	FF 4	1930, M-W
	FF 5	1931, A-D
	FF 6	1931, F-K
	FF 7	1931, L-R
	FF 8	1931, S-Z
	FF 9	1932, A-C
	FF 10	1932, D-K
	FF 11	1932, L-O
	FF 12	1932, P-S

Alfred Newton Richards Papers
UPT 50 R514
Inventory

CORRESPONDENCE (cont.)

Incoming

Box 1	FF 13	1932, T-Z
	FF 14	1933, A-C
	FF 15	1933, D-G
	FF 16	1933, H-O
	FF 17	1933, P
	FF 18	1933, Q-W
	FF 19	1934, A-C
	FF 20	1934, D-G
	FF 21	1934, H-O
	FF 22	1934, P-W
	FF 23	1935, A-B
	FF 24	1935, C-G
	FF 25	1935, H-L
	FF 26	1935, M-R
	FF 27	1935, S-Z
	FF 28	1936, A-C
	FF 29	1936, D-G
	FF 30	1936, H-L

Alfred Newton Richards Papers
UPT 50 R514
Inventory

CORRESPONDENCE (cont.)

Incoming

Box 1	FF 31	1936, M-P
	FF 32	1936, R-W
	FF 33	1937, A-E
	FF 34	1937, F-K
	FF 35	1937, L-O
	FF 36	1937, P-W
	FF 37	1938, A-C
	FF 38	1938, D-G
	FF 39	1938, H-L
	FF 40	1938, M-P
	FF 41	1938, R-S
	FF 42	1938, T-Z
	FF 43	1939, A-C
	FF 44	1939, D-F
	FF 45	1939, G-H
	FF 46	1939, I-Mi
	FF 47	1939, Mo-P
	FF 48	1939, R-Y

Alfred Newton Richards Papers
UPT 50 R514
Inventory

CORRESPONDENCE (cont.)

Incoming

Box 2	FF 1	1940, A-F
	FF 2	1940, G-L
	FF 3	1940, M
	FF 4	1940, O-R
	FF 5	1940, S
	FF 6	1940, T-Z
	FF 7	1941, A-C
	FF 8	1941, D-G
	FF 9	1941, H
	FF 10	1941, J-Me
	FF 11	1941, Mi-P
	FF 12	1941, R-Ste
	FF 13	1941, Sto-W
	FF 14	1942, A-G
	FF 15	1942, H-M
	FF 16	1942, N-S
	FF 17	1942, T-Z
	FF 18	1943, A-E

Alfred Newton Richards Papers
UPT 50 R514
Inventory

CORRESPONDENCE (cont.)

Incoming

Box 2	FF 19	1943, F-M
	FF 20	1943, P-W
	FF 29	1944, A-J
	FF 30	1944, K-M
	FF 31	1944, N-W
	FF 32	1945, A-D
	FF 33	1945, E-K
	FF 34	1945, L-N
	FF 35	1945, O-Q
	FF 36	1945, R-W
	FF 37	1946, A-E
	FF 38	1946, F-J
	FF 39	1946, K-M
	FF 40	1946, N-R
	FF 41	1946, S
	FF 42	1946, T-W
	FF 43	1947, A-C
	FF 44	1947, D-G

Alfred Newton Richards Papers
UPT 50 R514
Inventory

CORRESPONDENCE (cont.)

Incoming

Box 2	FF 45	1947, H-L
	FF 46	1947, M-Q
	FF 47	1947, R-S
	FF 48	1947, T-Z
	FF 49	1948, A-L
	FF 50	1948, M-W
	FF 51	1949-1950
	FF 52	1951-1954
	FF 53	1955-1957
	FF 54	1959-1961
	FF 55	1962-1964
	FF 56	Unidentified, 1931-1947, n.d.
	FF 57	nd, A-L
	FF 58	nd, M-W

Outgoing

Box 3	FF 1	1923-1928
	FF 2	1930
	FF 3	1931, A-M

Alfred Newton Richards Papers
UPT 50 R514
Inventory

CORRESPONDENCE (cont.)

Outgoing

Box 3	FF 4	1931, N-Z
	FF 5	1932, A-E
	FF 6	1932, F-K
	FF 7	1932, L-Q
	FF 8	1932, R-Z
	FF 9	1933, A-F
	FF 10	1933, G-O
	FF 11	1933, P-W
	FF 12	1934, A-D
	FF 13	1934, E-H
	FF 14	1934, J-O
	FF 15	1934, P-W
	FF 16	1935, A-C
	FF 17	1935, D-H
	FF 18	1935, I-M
	FF 19	1935, N-R
	FF 20	1935, S-Z
	FF 21	1936, A-D

Alfred Newton Richards Papers
UPT 50 R514
Inventory

CORRESPONDENCE (cont.)

Outgoing

Box 3	FF 22	1936, E-H
	FF 23	1936, I-O
	FF 24	1936, P-S
	FF 25	1936, T-W
	FF 26	1937, A-C
	FF 27	1937, D-G
	FF 28	1937, H-L
	FF 29	1937, M-R
	FF 30	1937, S-W
	FF 31	1938, A-C
	FF 32	1938, D-G
	FF 33	1938, H-K
	FF 34	1938, L-O
	FF 35	1938, P-S
	FF 36	1938, T-Z
	FF 37	1939, A-B
	FF 38	1939, C
	FF 39	1939, D-E

Alfred Newton Richards Papers
UPT 50 R514
Inventory

CORRESPONDENCE (cont.)

Outgoing

Box 3	FF 40	1939, F
	FF 41	1939, G-H
	FF 42	1939, I-L
	FF 43	1939, M
	FF 44	1939, N-R
	FF 45	1939, S
	FF 46	1939, T-Z
	FF 47	1940, A
	FF 48	1940, B
	FF 49	1940, Ca-Cl
	FF 50	1940, Co-Cu
	FF 51	1940, D
	FF 52	1940, E-F
Box 4	FF 1	1940, G
	FF 2	1940, Ha
	FF 3	1940, He-Hu
	FF 4	1940, I-K
	FF 5	1940, L

Alfred Newton Richards Papers
UPT 50 R514
Inventory

CORRESPONDENCE (cont.)

Outgoing

Box 4	FF 6	1940, Ma-M
	FF 7	1940, Mi-My
	FF 8	1940, N-O
	FF 9	1940, P
	FF 10	1940, R
	FF 11	1940, Sc-Sh
	FF 12	1940, Si-Sw
	FF 13	1940, T
	FF 14	1940, U-We
	FF 15	1940, Wi-Z
	FF 16	1941, A-Bo
	FF 17	1941, Br-Bu
	FF 18	1941, C
	FF 19	1941, D
	FF 20	1941, E-F
	FF 21	1941, G
	FF 22	1941, H
	FF 23	1941, I-L

Alfred Newton Richards Papers
UPT 50 R514
Inventory

CORRESPONDENCE (cont.)

Outgoing

Box 4	FF 24	1941, Ma-Me
	FF 25	1941, Mi-My
	FF 26	1941, N-Pa
	FF 27	1941, Pe-Pu
	FF 28	1941, R
	FF 29	1941, Sa-Sm
	FF 30	1941, Sn-Sw
	FF 31	1941, T-V
	FF 32	1941, W-Z
	FF 33	1942, A-B
	FF 34	1942, C-D
	FF 35	1942, E-G
	FF 36	1942, H-J
	FF 37	1942, K-L
	FF 38	1942, M
	FF 39	1942, N-R
	FF 40	1942, S
	FF 41	1942, T-V

Alfred Newton Richards Papers
UPT 50 R514
Inventory

CORRESPONDENCE (cont.)

Outgoing

Box 4	FF 42	1942, W-Z
	FF 43	1943, A-C
	FF 44	1943, D-H
	FF 45	1943, I-M
	FF 46	1943, N-R
	FF 47	1943, S-W
	FF 48	1944, A-B
	FF 49	1944, C-D
	FF 50	1944, E-J
	FF 51	1944, K-M
	FF 52	1944, N-R
	FF 53	1944, S-W
Box 5	FF 1	1945, A
	FF 2	1945, B
	FF 3	1945, C
	FF 4	1945, D-E
	FF 5	1945, F-G
	FF 6	1945, H-I

Alfred Newton Richards Papers
UPT 50 R514
Inventory

CORRESPONDENCE (cont.)

Outgoing

Box 5	FF 7	1945, J-L
	FF 8	1945, M
	FF 9	1945, N-P
	FF 10	1945, Q-R
	FF 11	1945, S
	FF 12	1945, T-Z
	FF 13	1946, A
	FF 14	1946, Ba-Br
	FF 15	1946, Bu
	FF 16	1946, C
	FF 17	1946, F-G
	FF 18	1946, D-E
	FF 19	1946, H-I
	FF 20	1946, J-K
	FF 21	1946, L
	FF 22	1946, M
	FF 23	1946, N-Q
	FF 24	1946, R-Si

Alfred Newton Richards Papers
UPT 50 R514
Inventory

CORRESPONDENCE (cont.)

Outgoing

Box 5	FF 25	1946, Sl-Su
	FF 26	1946, T-Z
	FF 27	1947, A-B
	FF 28	1947, C
	FF 29	1947, D-E
	FF 30	1947, F-G
	FF 31	1947, H-I
	FF 32	1947, J-L
	FF 33	1947, M-O
	FF 34	1947, P-R
	FF 35	1947, S
	FF 36	1947, T-Z
	FF 37	1948, A-E
	FF 38	1948, F-H
	FF 39	1948, J-P
	FF 40	1948, R-S
	FF 41	1948, T-Z
	FF 42	1949-1954

Alfred Newton Richards Papers
UPT 50 R514
Inventory

CORRESPONDENCE (cont.)

Outgoing

Box 5	FF 43	1955
	FF 44	1956-1964
	FF 45	Unidentified, 1932-1945, n.d.
	FF 46	n.d.
Box 7	FF 31	Personal: Outgoing, 1935-1940
	FF 32	Personal: Outgoing to Helen Brownson, 1945-1966
	FF 34	Personal: Outgoing re honors & awards, 1932-1960

Third Party

Box 5	FF 47	1893, 1905
	FF 48	1922-1930
Box 6	FF 1	1931, A-H
	FF 2	1931, J-P
	FF 3	1931, R-Stengel (Jan.-Sept.)
	FF 4	1931, Stengel (Oct.-Dec.) - W
	FF 5	1932, A-L
	FF 6	1932, M
	FF 7	1932, N-R
	FF 8	1932, Si-Stengel (Jan.-June)

CORRESPONDENCE (cont.)

Third Party

Box 6	FF 9	1932, Stengel (July-Dec.)
	FF 10	1932, Sto-Z
	FF 11	1933, A-L
	FF 12	1933, M-O
	FF 13	1933, P-Sm
	FF 14	1933, Stengel (Jan.-Apr.)
	FF 15	1933, Stengel (May-June)
	FF 16	1933, Stengel (Aug.-Dec.) - Z
	FF 17	1934, A-H
	FF 18	1934, L-M
	FF 19	1934, O-Sm
	FF 20	1934, Stengel (Jan.-Apr.)
	FF 21	1934, Stengel (May-June)
	FF 22	1934, Stengel (July-Oct.)
	FF 23	1934, Stengel (Nov.-Dec.) - W
	FF 24	1935, A-L
	FF 25	1935, M
	FF 26	1935, N-Sm

Alfred Newton Richards Papers
UPT 50 R514
Inventory

CORRESPONDENCE (cont.)

Third Party

Box 6	FF 27	1935, Stengel (Jan.-Mar.)
	FF 28	1935, Stengel (Apr.-June)
	FF 29	1935, Stengel (July-Dec.)
	FF 30	1935, Sto-W
	FF 31	1936, A-D
	FF 32	1936, F-M
	FF 33	1936, N-Sm
	FF 34	1936, Stengel (Jan.-Mar.)
	FF 35	1936, Stengel (Apr.-Sept.)
	FF 36	1936, Stengel (Oct.-Dec.) - W
	FF 37	1937, A-D
	FF 38	1937, F-M
	FF 39	1937, P-Stengel (Jan.-Mar.)
	FF 40	1937, Stengel (Apr.-June)
	FF 41	1937, Stengel (July-Dec.) - Y
	FF 42	1938, A-D
	FF 43	1938, E-N
	FF 44	1938, P-Stengel (Jan.-Mar.)

Alfred Newton Richards Papers
UPT 50 R514
Inventory

CORRESPONDENCE (cont.)

Third Party

Box 6	FF 45	1938, Stengel (Apr.-Sept.)
	FF 46	1938, Stengel (Oct.-Dec.) - W
	FF 47	1939, A-G
	FF 48	1939, H-L
	FF 49	1939, M-Sm
	FF 50	1939, Stengel (Jan.-Mar.)
	FF 51	1939, Stengel (Apr.-Dec.) - W
	FF 52	1940, B-H
	FF 53	1940, K-P
	FF 54	1940, R-Z
	FF 55	1941, A-G
Box 7	FF 1	1941, H-L
	FF 2	1941, M-P
	FF 3	1941, R-Y
	FF 4	1942, A-J
	FF 5	1942, L-W
	FF 6	1943, A-N
	FF 7	1943, P-W

CORRESPONDENCE (cont.)

Third Party

Box 7	FF 8	1944, A-M
	FF 9	1944, P-W
	FF 10	1945, A-M
	FF 11	1945, P-W
	FF 12	1946, A-K
	FF 13	1946, L-P
	FF 14	1946, R-W
	FF 15	1947, A-L
	FF 16	1947, M-W
	FF 17	1948-1954
	FF 18	1955-1967
	FF 19	In other languages, 1933-1934, 1937
	FF 20	Unidentified, 1931-1959, n.d.
	FF 21	nd

Postcards

	FF 22	Incoming, 1930-1935
	FF 23	Incoming, 1936
	FF 24	Incoming, 1937-1955

Alfred Newton Richards Papers
UPT 50 R514
Inventory

CORRESPONDENCE (cont.)

Postcards

Box 7 FF 25 Third party, 1933-1935
 FF 26 Third party, 1936-1956

Personal

FF 27 Incoming, 1913-1942
FF 28 Incoming, 1943-1953
FF 29 Incoming, 1954-1963
FF 30 Incoming unidentified, 1944-1957, n.d.
FF 33 Incoming re honors & awards, 1914-1961

PROFESSIONAL PAPERS

Clippings

FF 35 1933-1939
FF 36 1940-1946
FF 37 1947-1968, n.d.

Annals of Internal Medicine:

FF 38 "Alfred Newton Richards, Scientist and Man," 1969
FF 39 "Alfred Newton Richards, Scientist and Man," 1969
FF 40 "Alfred Newton Richards, Scientist and Man," 1969
FF 41 Correspondence, 1966-1967
FF 42 Correspondence, 1968-1969
FF 43 Meeting minutes, 1948, 1967-1968

Alfred Newton Richards Papers
UPT 50 R514
Inventory

PROFESSIONAL PAPERS (cont.)

Annals of Internal Medicine:

Box 7	FF 44	Re interviews, 1963, n.d.
	FF 45	Draft, pp.1-10
	FF 46	Draft, pp.13-27
	FF 47	Draft, pp.28-53
	FF 48	Draft, pp.54-58
	FF 49	Draft, pp.61-79
	FF 50	Draft, pp.80-89
	FF 51	Photos with captions

Photographs

	FF 52	Richards, 1919-1964
	FF 53	Richards, n.d.
Box 8	FF 1	Richards, n.d.
	FF 2	Awards given to Richards, n.d.
	FF 3	University of Pennsylvania Hospital, n.d.
	FF 4	Autobiographical sketches by Richards, n.d.
	FF 5	Autobiographical sketches by Richards, n.d.
	FF 6	Re honorary degree from Universite Catholique de Louvain, 1949
	FF 7	Personal insurance, 1910-1936

Alfred Newton Richards Papers
UPT 50 R514
Inventory

PROFESSIONAL PAPERS (cont.)

Box 8	FF 8	Re honorary degrees presented by Richards at commencement, 1940
	FF 9	Awards & honors, 1930-1948
	FF 10	Abraham Flexner Award: Correspondence, 1920-1963
	FF 11	Abraham Flexner Award: Clippings, articles, address, 1959-1960
	FF 12	Abraham Flexner Award: Notes & miscellaneous, 1959-1960
	FF 13	Summary of Richards' term as Vice President in Charge of Medical Affairs, 1959
	FF 14	List of journals in Richards' office, n.d.
	FF 15	Possible candidates for the medical directorship, 1941
	FF 16	Re C. Mahlon Kline, 1956-1962
	FF 17	Walter Ladd: Will, 1933
	FF 18	Loyalty investigation, 1950-1952
	FF 19	Diagrams, n.d.
	FF 20	Board of Managers of Graduate Hospital: Meeting minutes, 1931-1946
	FF 21	Board of Medical Affairs: Meeting minutes, 1932-1946
	FF 22	Board of Trustees: Meeting minutes, 1890, 1940-1948
		Executive Committee of the Executive Board Meeting Minutes
	FF 23	1932-1939

Alfred Newton Richards Papers
UPT 50 R514
Inventory

PROFESSIONAL PAPERS (cont.)

Executive Committee of the Executive Board
Meeting Minutes

Box 8	FF 24	1940
	FF 25	1941
	FF 26	1942, Jan.-June
	FF 27	1942, July-Dec.
	FF 28	1943, Jan.-May
	FF 29	1943, June-Dec.
	FF 30	1944, Jan.-May
	FF 31	1944, June-Dec.
	FF 32	1945
	FF 33	1946
	FF 34	1947-1948, n.d.
	FF 35	Miscellaneous meeting minutes, 1928-1933
	FF 36	Miscellaneous meeting minutes, 1935-1955, n.d.
	FF 37	Memoranda, 1925-1930
	FF 38	Memoranda, 1932-1941
	FF 39	Memoranda, 1944-1950, n.d.
	FF 40	Dale portrait fund, 1942

Alfred Newton Richards Papers
UPT 50 R514
Inventory

PROFESSIONAL PAPERS (cont.)

Box 8	FF 41	Harrison bequest, 1930, 1935, n.d.
		Miscellaneous finances
	FF 42	1920-1929
	FF 43	1930-1931
	FF 44	1932-1933
	FF 45	1934-1936
	FF 46	1937
	FF 47	1938
	FF 48	1939-1942
	FF 49	1943-1948
	FF 50	n.d.
	FF 51	n.d.
	FF 52	Programs, 1930-1937
	FF 53	Programs, 1938-1961, n.d.
Box 9	FF 1	Announcements, 1938-1945
	FF 2	Invitations, 1928-1940
	FF 3	Invitations, 1941-1948, n.d.
	FF 4	Bulletins, 1944-1947
	FF 5	Newspaper clippings, 1937-1948

Alfred Newton Richards Papers
UPT 50 R514
Inventory

PROFESSIONAL PAPERS (cont.)

Box 9	FF 6	Newspaper clippings, 1955, 1960, n.d.
	FF 7	Recommendations by others, 1936-1944
		Proposals
	FF 8	1928-1936
	FF 9	1941-1947
	FF 10	n.d.
	FF 11	n.d.
	FF 12	n.d.
		Reports
	FF 13	1929-1932
	FF 14	1933-1937
	FF 15	1938-1939
	FF 16	1940-1941
	FF 17	1942-1944
	FF 18	1944
	FF 19	1945-1946
	FF 20	1946-1948
	FF 21	Report on Medical Service of the Army, 1948 (1)
	FF 22	Report on Medical Service of the Army, 1948 (2)

Alfred Newton Richards Papers
UPT 50 R514
Inventory

PROFESSIONAL PAPERS (cont.)

Reports

Box 9	FF 23	1949-1950
	FF 24	1950-1951
	FF 25	1955
	FF 26	n.d.
	FF 27	n.d.

Conversations

	FF 28	1928-1929, 1930, Sept.-Oct.
	FF 29	1930, Nov.
	FF 30	1930, Dec.
	FF 31	1931
	FF 32	1932-1940
	FF 33	1941-1945
	FF 34	1946-1962
	FF 35	n.d.

Biographical material re others

	FF 36	(1)
	FF 37	(2)
	FF 38	(3)
	FF 39	(4)

Alfred Newton Richards Papers
UPT 50 R514
Inventory

PROFESSIONAL PAPERS (cont.)

Biographical material re others

Box 9 FF 40

(5)

 FF 41

(6)

Miscellaneous notes

 FF 42

 FF 43

 FF 44

 FF 45

 FF 46

 FF 47

 FF 48

 FF 49

Box 10 FF 1

 FF 2

 FF 3

 FF 4

 FF 5

ORGANIZATIONS

The American Foundation Studies in Government
Correspondence

 FF 6

Incoming and outgoing, 1939-1941

 FF 7

Third party, 1936, 1937, C-K

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

The American Foundation Studies in Government
Correspondence

Box 10	FF 8	Third party, 1937, L-P
	FF 9	Third party, 1937, R-W, 1938-1940
	FF 10	Reports, 1937-1939
	FF 11	Meeting minutes, research project, & principles and proposals, 1937-1939, n.d.
	FF 12	Newspaper clippings, 1937
	FF 13	American Journal of Physiology, 1930-1934, n.d.
		American Philosophical Society
	FF 14	Incoming correspondence, 1939-1948
	FF 15	Outgoing correspondence, 1939-1948; third party correspondence, 1944-1947
	FF 16	Meeting minutes, 1937-1948
	FF 17	Invitations & finances, 1940-1947, n.d.
	FF 18	Re membership, 1936-1948, n.d.
	FF 19	American Physiological Society, 1932-1945, n.d.
	FF 20	American Public Health Association, 1946
	FF 21	American Urological Association: Honorary membership certificate, 1932

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

Animal Pathology

Correspondence

Box 10	FF 22	Incoming, 1939
	FF 23	Incoming, 1940-1941
	FF 24	Incoming, 1942-1946, n.d.
	FF 25	Outgoing, 1939-1941
	FF 26	Outgoing, 1942-1946
		Third party
	FF 27	1937, A-R
	FF 28	1937, S-T
	FF 29	1938, B-R
	FF 30	1938, S-W
	FF 31	1939, B-P
	FF 32	1939, S-W
	FF 33	1940-1942
	FF 34	1943-1945
	FF 35	Unidentified third party correspondence, 1937-1941, n.d.; third party correspondence, n.d.
	FF 36	Executive board meeting minutes, 1938-1945
	FF 37	Miscellaneous meeting minutes, 1937-1945

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

Animal Pathology

Box 10	FF 38	Memoranda & excerpts from conversations, 1937-1945, n.d.
	FF 39	Re founding of the school
	FF 40	Finances, 1938-1941
	FF 41	Finances, 1942-1947
	FF 42	Finances, n.d.
	FF 43	Bibliographies & biographical material
	FF 44	Experiment proposals, 1938-1946
	FF 45	Experiment proposals, n.d.
	FF 46	Experiment photographs, n.d.
		Reports
	FF 47	1936-1939, 1940, Jan.-Mar.
	FF 48	1940, Apr.-Oct.
	FF 49	1941
	FF 50	1942
	FF 51	1943-1944
	FF 52	1945-1946
	FF 53	n.d.
	FF 54	Articles, 1937-1938

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

Animal Pathology

- Box 10 FF 55 Articles, 1939-1943
- FF 56 Articles, 1944-1946
- FF 57 Articles, n.d.
- FF 58 Minnesota Wildlife Disease Investigation, 1938
- FF 59 Re the bicentennial of the School of Medicine of the University of Pennsylvania, 1960-1961
- FF 60 Re the bicentennial of the University of Pennsylvania, 1939-1940

Bolton Farm

Correspondence

- FF 61 Incoming, 1939-1946
- FF 62 Outgoing, 1939-1947
- FF 63 Third party, 1937-1938
- Box 11 FF 1 Third party, 1939-1947
- FF 2 Inventories, 1938-1941, n.d.
- FF 3 Property plans & deeds, 1938-1941
- FF 4 History, dedication, & notes, 1939-1946
- FF 5 Meeting minutes, 1938-1947
- Cancer research
- FF 6 Third party correspondence, 1929-1931
- FF 7 Third party correspondence, 1932

ORGANIZATIONS (cont.)

Cancer research

Box 11 FF 8 Third party correspondence, 1933

FF 9 Miscellaneous, 1928-1935, n.d.

Children's Hospital Research Foundation

FF 10 Incoming correspondence, 1938-1942

FF 11 Outgoing correspondence, 1938-1942

FF 12 Third party correspondence, 1938-1941

FF 13 Meeting minutes & finances, 1938-1942

FF 14 Reports, 1938-1942, n.d.

FF 15 Biographical material re others

FF 16 Biographical material re others

FF 17 Commission on Organization of the Executive Branch of the
Government, 1948

Committee on Anatomy

FF 18 Incoming correspondence, 1940-1947

FF 19 Outgoing correspondence, 1940-1947

FF 20 Third party correspondence, 1926, 1940-1947

FF 21 Candidates, n.d.

FF 22 Miscellaneous, 1940-1947

FF 23 Club for Research on Aging, 1945

ORGANIZATIONS (cont.)

Committee on Drug Addictions
Correspondence
Third party

Box 11	FF 24	1925-1927
	FF 25	1928, B-M
	FF 26	1928, O-W
	FF 27	1929-1933, n.d.
	FF 28	Finances, 1927-1931
	FF 29	Meeting minutes, 1926-1929, n.d.
	FF 30	Re by-laws & constitution, n.d.
	FF 31	Proposals, 1928-1929
	FF 32	Proposals, n.d.
		Reports
	FF 33	1926
	FF 34	1926
	FF 35	1927
	FF 36	Progress reports, 1927-1929
	FF 37	1929
	FF 38	n.d.
	FF 39	n.d.

ORGANIZATIONS (cont.)

Committee on Drug Addictions
Reports

Box 11	FF 40	n.d.
	FF 41	n.d.
	FF 42	Articles, 1926
	FF 43	Miscellaneous, 1926-1931, n.d.

Committee on Medical Research
Correspondence

Box 12	FF 1	Incoming, 1940-1943
	FF 2	Incoming, 1944-1946
	FF 3	Incoming, 1947, n.d.
	FF 4	Outgoing, 1940, 1941, B-M
	FF 5	Outgoing, 1941, O-W
	FF 6	Outgoing, 1942-1943
	FF 7	Outgoing, 1944-1946
	FF 8	Unidentified outgoing, 1943-1946; outgoing, n.d.
	FF 9	Third party, 1939-1948
	FF 10	Third party, 1947-1955
	FF 11	Memoranda, 1941-1944
	FF 12	Memoranda, 1945-1948, n.d.

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

Committee on Medical Research

Box 12	FF 13	Booklet re government travel regulations, 1939
	FF 14	Travel expenses, 1942
	FF 15	Travel expenses, 1943
	FF 16	Travel expenses, 1944
	FF 17	Travel expenses, 1945-1946
	FF 18	Telegraph & telephone receipts, 1941-1943
	FF 19	Telegraph & telephone receipts, 1944-1947
	FF 20	Miscellaneous finances, 1940-1943, n.d.
		Meeting minutes
	FF 21	1941, July 31
	FF 22	1941, Aug. 7 (1)
	FF 23	1941, Aug. 7 (2)
	FF 24	1941, Aug. 22 (1)
	FF 25	1941, Aug. 22 (2)
	FF 26	1941, Sept. 4 - Sept. 8
	FF 27	1941, Sept. 8
	FF 28	1941, Sept. 11
	FF 29	1941, Oct. 17 - Dec. 18

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

Committee on Medical Research
Meeting minutes

Box 12	FF 30	1941, Dec. 19 - 1942, Feb. 12
	FF 31	1942, Feb. 26 - May 15
	FF 32	1942, May 21 - July 2
	FF 33	1942, July 3 - July 30
	FF 34	1942, Aug. 28 - Sept. 1
	FF 35	1942, Sept. 2 - Oct. 29
	FF 36	1942, Nov. 7 - Dec. 29
	FF 37	1942, Dec. 30 - 1943, Feb. 11
	FF 38	1943, Mar. 4 - Apr. 9
	FF 39	1943, Apr. 19 - May 27
	FF 40	1943, June 10 - July 1
	FF 41	1943, July 29 - Aug. 26
	FF 42	1943, Sept. 9 - Oct. 28
	FF 43	1943, Nov. 18 - 1944, Jan. 20
	FF 44	1944, Feb. 3 - Apr. 13
	FF 45	1944, May 4 - May 18
	FF 46	1944, May 25 - June 23

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

Committee on Medical Research
Meeting minutes

Box 12	FF 47	1944, July 19 - Aug. 29
	FF 48	Speeches by ANR, 1943-1944
	FF 49	Speeches by ANR, 1945-1946, n.d.
	FF 50	Speeches by Chester Keefer, 1944, n.d.
		Project summaries
	FF 51	(1)
	FF 52	(2)
Box 13	FF 1	(3)
	FF 2	(4)
	FF 3	(5)
	FF 4	(6)
	FF 5	(7)
	FF 6	(8)
	FF 7	(9)
	FF 8	(10)
	FF 9	(11)
	FF 10	Report on oxygen therapy, 1944
	FF 11	Articles, 1940-1947

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

Committee on Medical Research

Box 13	FF 12	Experiments, 1941-1943, n.d.
	FF 13	Re military draft, 1943-1945, n.d.
	FF 14	Notes
	FF 15	Miscellaneous, 1942-1948
	FF 16	Committee to Study Dust Control: Correspondence, 1946-1948
	FF 17	Committee to Study Dust Control: Finances, meeting minutes, purpose, & notes, 1946-1948, n.d.

Commonwealth Fund

Correspondence

Incoming

FF 18	1931-1933
FF 19	1934-1935
FF 20	1936-1937
FF 21	1938-1939
FF 22	1940-1958

Outgoing

FF 23	1931-1933
FF 24	1934
FF 25	1935
FF 26	1936

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

Commonwealth Fund

Correspondence

Outgoing

Box 13	FF 27	1937
	FF 28	1938-1939
	FF 29	1940
	FF 30	1941
	FF 31	1942-1943
	FF 32	1944-1958
	FF 33	Third party, 1938-1946
	FF 34	Meeting minutes, 1940-1945
	FF 35	Ledger, 1932-1941 (1)
	FF 36	Ledger, 1932-1941 (2)
	FF 37	Ledger, 1932-1941 (3)
		Finances
	FF 38	1931-1932
	FF 39	1933-1934
	FF 40	1935
	FF 41	1936
	FF 42	1937

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

Commonwealth Fund
Finances

Box 13	FF 43	1938
	FF 44	1939
	FF 45	1940-1943
	FF 46	n.d.
	FF 47	Articles, 1941-1946
	FF 48	Articles, n.d.
	FF 49	Articles, n.d.
	FF 50	Reprints, 1934-1945
Box 14	FF 1	Publication lists, 1932-1933, n.d.
	FF 2	Notes & memoranda, 1939-1940, n.d.
	FF 3	Proposals, 1941-1945, n.d.
	FF 4	Project summaries, 1931-1939
	FF 5	Project summaries, 1939-1940
	FF 6	Project summaries, n.d.
	FF 7	Draft of report, n.d.
		Reports
	FF 8	1931
	FF 9	1931

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

Commonwealth Fund
Reports

Box 14	FF 10	1940
	FF 11	1941-1942
	FF 12	1943
	FF 13	1944-1946
	FF 14	Inventory, 1935
	FF 15	Conferences, 1942

Cox Institute
Correspondence

FF 16	Incoming, 1932; outgoing, 1932-1936
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Third party

FF 17	1931, A-R
FF 18	1931, S-W
FF 19	1932, A-R
FF 20	1932, S
FF 21	1933-1934
FF 22	1935-1936
FF 23	1937-1938, n.d.
FF 24	Meeting minutes, 1936-1938
FF 25	Finances & reports, 1931-1936

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

Cox Institute

- | | | |
|--------|-------|---|
| Box 14 | FF 26 | Re opening exercises, 1932 |
| | FF 27 | Re Helen O. Dickens, 1941 |
| | FF 28 | Evans Institute: Financial relations with the University of Pennsylvania, 1915-1932 |
| | FF 29 | Evans Institute: Meeting minutes, 1932-1944 |
| | FF 30 | Faculty Research Committee: Meeting minutes, 1932 |
| | FF 31 | General Alumni Society: Directory & by-laws, 1932-1933 |
| | FF 32 | Government and Medicine, 1945-1949 |
| | FF 33 | Government and Medicine, 1949-1952 |
| | FF 34 | Gynecean Hospital: Correspondence & meeting minutes, 1933-1943 |
| | FF 35 | Gynecean Hospital: Re founding, 1939 |
| | | Hall-Mercer Hospital
Correspondence |
| | FF 36 | Incoming, 1940-1962 |
| | FF 37 | Outgoing , 1940-1957; third party, 1940-1958 |
| | | Annual reports |
| | FF 38 | 1942-1951 |
| | FF 39 | 1951-1956 |
| | FF 40 | 1957-1958 |

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

Hall-Mercer Hospital
Annual reports

Box 14	FF 41	1959-1961
	FF 42	1961-1962
	FF 43	Five year report, 1942-1946
	FF 44	Five year report, 1942-1946
Box 15	FF 1	Ten year report, 1942-1951
	FF 2	Miscellaneous reports, 1951-1961
	FF 3	Notes & research programs, n.d.
	FF 4	Legal papers, 1938-1939
	FF 5	Legal papers, 1940-1962
	FF 6	Agenda for meetings, 1946-1961
	FF 7	Meeting minutes, 1946-1955
	FF 8	Meeting minutes, 1956-1962
	FF 9	Treasurer's annual statements, 1948-1953
	FF 10	Treasurer's annual statements, 1954-1961
	FF 11	Reports upon examination of financial statements, 1944-1955
	FF 12	Reports upon examination of financial statements, 1956-1961

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

Hall-Mercer Hospital

Box 15 FF 13 Miscellaneous, 1946-1962, n.d.

Henry Phipps Institute

Correspondence

FF 14 Incoming, 1939-1946

FF 15 Outgoing, 1939-1946

FF 16 Third party, 1909-1933

FF 17 Third party, 1934-1935

FF 18 Third party, 1936-1955

FF 19 Re founding

FF 20 Reports, 1932-1951

FF 21 Reports, 1952-1954, n.d.

FF 22 Finances, 1932-1954

FF 23 Executive Committee meeting minutes, 1936-1946

FF 24 Miscellaneous meeting minutes, 1940-1955

FF 25 Notes

FF 26 John Morgan Society, 1957

Johnson Foundation

Correspondence

FF 27 Incoming, 1940-1946

FF 28 Outgoing, 1940-1946

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

Johnson Foundation

Correspondence

Box 15	FF 29	Third party, 1927-1932
	FF 30	Third party, 1933-1947, n.d.
	FF 31	Memoranda, 1940-1943, n.d.
	FF 32	Meeting minutes, 1940-1947
	FF 33	Re founding
	FF 34	Finances, 1935-1944, n.d.; biographical material re others
	FF 35	Bibliographies & articles, 1930-1945

Box 16	FF 1	Journal of Biological Chemistry: Correspondence, 1903, 1940-1956, n.d.
	FF 2	Journal of Biological Chemistry: Miscellaneous, 1905-1961, n.d.
	FF 3	Kilgore Bill, 1945
	FF 4	Re Linderstrom-Lang Memorial Guest House, 1959-1960

Magee Hospital

Correspondence

	FF 5	Incoming, 1939-1947
	FF 6	Outgoing, 1939-1947
	FF 7	Third party, 1932-1937
	FF 8	Third party, 1938-1939; unidentified third party, 1938, n.d.

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

Magee Hospital

Box 16	FF 9	Study on convalescent care, 1939
	FF 10	Re founding
	FF 11	Board of trustees membership list; meeting minutes, 1938-1940
	FF 12	Drawings, n.d.
	FF 13	Medical Hospital: Finances, 1940-1947, n.d.

Merck

Correspondence
Incoming

	FF 14	1930-1932
	FF 15	1933
	FF 16	1934
	FF 17	1935
	FF 18	1936
	FF 19	1937-1938
	FF 20	1939
	FF 21	1948-1951
	FF 22	1952-1954
	FF 23	1955-1957
	FF 24	1958-1959, n.d.

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

Merck

Correspondence
Outgoing

Box 16	FF 25	1930-1932
	FF 26	1933
	FF 27	1934
	FF 28	1935-1936
	FF 29	1937-1938
	FF 30	1939-1953
	FF 31	1954-1961, n.d.

Third party

	FF 32	1931-1933
	FF 33	1934-1936
	FF 34	1937-1948
	FF 35	1949
	FF 36	1950-1951
	FF 37	1952
	FF 38	1953-1959
	FF 39	Unidentified, 1949, n.d.
	FF 40	Re vitamin donations to Greece, 1957

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

Merck

Memoranda

Incoming

Box 16	FF 41	1930-1949
	FF 42	1950-1951
	FF 43	1952
	FF 44	1953
	FF 45	1954
	FF 46	1955, A-L
	FF 47	1955, M
	FF 48	1955, P-T
	FF 49	1956-1961
	FF 50	1962-1963, n.d.

Outgoing

Box 17	FF 1	Outgoing, 1953-1958
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Third party

	FF 2	1933-1939
	FF 3	1947-1948
	FF 4	1949, B-M
	FF 5	1949, O-W
	FF 6	1950, A-M

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

Merck

Memoranda

Third party

Box 17	FF 7	1950, O-W
	FF 8	1951, A-C
	FF 9	1951, F-W
	FF 10	1952, A-H
	FF 11	1952, L-W
	FF 12	1953, C-H
	FF 13	1953, J-M
	FF 14	1953, O-Z
	FF 15	1954, A-G
	FF 16	1954, H-L
	FF 17	1954, M-Q
	FF 18	1954, R-U
	FF 19	1955, A-K
	FF 20	1955, M-T
	FF 21	1955, V-Z
	FF 22	1956-1962, n.d.

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

Merck

Meeting minutes

Box 17	FF 23	1939-1951
	FF 24	1951-1955
	FF 25	1952
	FF 26	1953, Jan.-May
	FF 27	1953, June-Dec.
	FF 28	1954
	FF 29	1955-1956
	FF 30	1957-1959
	FF 31	1960-1961, n.d.
	FF 32	Incoming correspondence re Molitor, 1932-1933
	FF 33	Outgoing correspondence re Molitor, 1931-1933
	FF 34	Third party correspondence & miscellaneous papers re Molitor, 1932
	FF 35	Directors' manual, 1959 (1)
	FF 36	Directors' manual, 1959 (2)
	FF 37	Corporate manuals, 1954, 1957
	FF 38	Corporate manual, 1963
	FF 39	Organization

ORGANIZATIONS (cont.)

Merck

Box 17	FF 40	History
	FF 41	Research laboratory booklet, 1933
	FF 42	Diagrams, n.d.
	FF 43	Relations with other countries, 1951
	FF 44	Branchburg Farm, 1951-1955, n.d.
	FF 45	Safety program, 1951 (1)
	FF 46	Safety program, 1951 (2)
	FF 47	Employee survey, 1959
	FF 48	Personnel deferment, 1950
	FF 49	Personnel security questionnaire, n.d.
	FF 50	Miscellaneous notes
		Notes, n.d.
Box 18	FF 1	
	FF 2	
	FF 3	
	FF 4	
	FF 5	
	FF 6	
	FF 7	

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

Merck

Box 18	FF 8	Conversations, 1949-1952
		Scientific Advisors
	FF 9	Correspondence, meeting minutes, & graphs, 1958-1959
	FF 10	Reports, 1959, n.d.
	FF 11	Articles, 1958-1959, n.d.
	FF 12	Notes, n.d.
	FF 13	Notes, 1954-1958
	FF 14	Notes, 1959
		Scientific Committee of the Board
	FF 15	Third party correspondence, 1951-1953
	FF 16	Incoming memoranda, 1952-1954
		Third party memoranda
	FF 17	1949-1953
	FF 18	1954, A-G
	FF 19	1954, H-V
	FF 20	1955
		Meeting minutes
	FF 21	1950
	FF 22	1951, Feb.-June

ORGANIZATIONS (cont.)

Merck

Scientific Committee of the Board
Meeting minutes

Box 18	FF 23	1951, Sept.-Dec.
	FF 24	1952-1953
	FF 25	1954
	FF 26	1955
	FF 27	Re products
	FF 28	Reports, 1950-1954
	FF 29	Reports, 1955, n.d.
	FF 30	Miscellaneous
	FF 31	Miscellaneous
	FF 32	Miscellaneous
		Scientific Operations
	FF 33	Meeting minutes, 1953, Mar.-June
	FF 34	Meeting minutes, 1953, July-Oct.
		Budget
	FF 35	1948-1951
	FF 36	1951
	FF 37	1952
	FF 38	1952

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

Merck

Budget

Box 18	FF 39	1952
	FF 40	1952
	FF 41	1953
	FF 42	1953
	FF 43	1954
	FF 44	1955
	FF 45	1957
	FF 46	n.d.
	FF 47	Travel expenses, 1955-1960
		Finances
	FF 48	1934-1948
	FF 49	1949
	FF 50	1950
	FF 51	1951
	FF 52	1952
	FF 53	1953
Box 19	FF 1	1953
	FF 2	1953

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

Merck

Finances

Box 19	FF 3	1954
	FF 4	1954-1955
	FF 5	n.d.
	FF 6	n.d.
	FF 7	Re Merck directors' dinner: Correspondence & program, 1959, May 25
	FF 8	Re Merck directors' dinner: Addresses & guest list, 1959, May 25
	FF 9	George W. Merck Memorial: Incoming correspondence, 1954-1960, n.d.
	FF 10	George W. Merck Memorial: Outgoing correspondence, 1958; third party correspondence, 1951-1960
	FF 11	George W. Merck Memorial: Miscellaneous
	FF 12	Re Dakin Award, 1949
		Merck Award
	FF 13	Incoming correspondence, 1946-1948
	FF 14	Outgoing correspondence, 1946
	FF 15	Outgoing correspondence, 1947-1948
	FF 16	Third party correspondence, 1945-1948
	FF 17	Applications, 1948-1949, F-G

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

Merck

Merck Award

Box 19	FF 18	Applications, 1948-1949, T-Z
	FF 19	Notes, purpose, & meeting minutes, 1946-1948, n.d.
	FF 20	Finances, 1946-1948, n.d.

Fellowships

Correspondence

	FF 21	Incoming, 1930-1951
	FF 22	Incoming, 1952-1957
	FF 23	Outgoing, 1930-1956, n.d.
	FF 24	Third party, 1934-1949
	FF 25	Third party, 1950-1956
	FF 26	Incoming memoranda, 1948-1954
	FF 27	Outgoing memoranda, 1950-1954
	FF 28	Third party memoranda, 1948-1950
	FF 29	Third party memoranda, 1952-1956
	FF 30	Press releases, 1949-1957
	FF 31	Announcements, 1951-1957, n.d.
	FF 32	Application blanks, n.d.

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

Merck

Fellowships

Reports

Box 19	FF 33	1946-1949
	FF 34	1950
	FF 35	1950-1951
	FF 36	1951-1952
	FF 37	1952-1953
	FF 38	Articles, 1949-1951, n.d.
	FF 39	Notes
	FF 40	Meeting minutes, 1946-1957
	FF 41	Fellows, 1947-1953, n.d.
	FF 42	Blank application forms, n.d.
		Applications
	FF 43	1948-1949, A-E
	FF 44	1948-1949, H-J
	FF 45	1948-1949, K-L
	FF 46	1948-1949, M-R
	FF 47	1948-1949, S
	FF 48	1952-1957, n.d.

ORGANIZATIONS (cont.)

Merck

Fellowships

Applications

Box 19	FF 49	Rejected, 1947-1948, A-H
	FF 50	Rejected, 1947-1948, J-W
	FF 51	Final awards, 1947-1948
	FF 52	Advertisements, C-M
	FF 53	Advertisements, N-R
	FF 54	Advertisements, S-Z
	FF 55	Products, 1933-1954
		Preclinical evaluation
	FF 56	Benzmalecene, 1958
Box 20	FF 1	Dichlorphenamide, 1957
	FF 2	Diphoxazide, 1958
	FF 3	MK-130, 1958
	FF 4	MK-202
	FF 5	Vitamin reviews, 1942
	FF 6	Atherosclerosis, 1953-1959
	FF 7	Atherosclerosis, n.d.
	FF 8	Symposium on blood, 1959

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

Merck

Box 20 FF 9 Cancer research: Correspondence & survey, 1953-1954

Cortisone

Correspondence

FF 10 Incoming, 1949-1952, n.d.

FF 11 Outgoing, 1949-1952

Third party

FF 12 1949-1952, n.d.

FF 13 memoranda, 1949, C

FF 14 memoranda, 1949, E-W

FF 15 memoranda, 1950-1951

FF 16 memoranda, 1952

FF 17 Meeting minutes, 1949

FF 18 Meeting minutes, 1949-1950, n.d.

FF 19 Chronology of Merck's involvement in cortisone,
1948

FF 20 Progress report, 1950

FF 21 Report re the therapeutic use of cortisone, 1950

FF 22 Miscellaneous, 1949-1952

Business and research

FF 23 1946

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

Merck

Business and research

Box 20	FF 24	1947-1948
	FF 25	1948
	FF 26	n.d.

Research

	FF 27	1930-1939
	FF 28	1950-1952
	FF 29	1953
	FF 30	1954-1955
	FF 31	1955-1960
	FF 32	n.d.
	FF 33	n.d.
	FF 34	n.d.
	FF 35	n.d.
	FF 36	n.d.
	FF 37	n.d.

Reports

	FF 38	1930-1937
	FF 39	1938-1939

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

Merck

Reports

Box 20	FF 40	1940-1947
	FF 41	1948-1949
	FF 42	1952
	FF 43	1952-1953
	FF 44	1953
	FF 45	1953
	FF 46	1954
	FF 47	1954
	FF 48	1954-1955
	FF 49	1955
	FF 50	1955
	FF 51	1955
Box 21	FF 1	1955
	FF 2	1956
	FF 3	1957
	FF 4	1958
	FF 5	1958

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

Merck

Reports

Box 21	FF 6	1958
	FF 7	1959
	FF 8	1960
	FF 9	1960
	FF 10	1960
	FF 11	1961-1962
	FF 12	n.d.

Project review

	FF 13	1957
	FF 14	1957
	FF 15	1957
	FF 16	1958
	FF 17	1958
	FF 18	1958
	FF 19	Scientific director's project review, 1952
	FF 20	Scientific director's project review, 1953
	FF 21	Scientific director's project review, 1954
	FF 22	Publication lists, 1934-1958

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

Merck

Box 21	FF 23	Articles, 1928-1949
	FF 24	Articles, 1952-1958
	FF 25	Articles, n.d.
	FF 26	Millay poem re Roosevelt's trip to Philadelphia to receive academic degree, n.d.

National Academy of Sciences

Correspondence

Incoming

	FF 27	1922, 1931-1939
	FF 28	1940-1941
	FF 29	1942-1944
	FF 30	1945-1946
	FF 31	1947, A-M
	FF 32	1947, O-Z
	FF 33	1948, B-N
	FF 34	1948, P-Z
	FF 35	1949-1950
	FF 36	Unidentified, 1944-1947; n.d.

Outgoing

	FF 37	1931-1939
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Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

National Academy of Sciences
Correspondence
Outgoing

Box 21	FF 38	1940
	FF 39	1941-1946
	FF 40	1947
	FF 41	1948, A-E
	FF 42	1948, F-P
	FF 43	1948, R-Z
	FF 44	1949-1950, n.d.

Third party

	FF 45	1931, 1936
	FF 46	1942-1943
	FF 47	1944
	FF 48	1945-1947
	FF 49	1948-1950, n.d.

	FF 50	Statement: Real Property Taxes Academy Building, 1942
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	FF 51	Travel expenses, 1948-1949
--	-------	----------------------------

Finances

	FF 52	1939-1940
	FF 53	1941

ORGANIZATIONS (cont.)

National Academy of Sciences
Finances

Box 21	FF 54	1942
Box 22	FF 1	1943-1944
	FF 2	1945-1947, n.d.
		Meeting minutes
	FF 3	1914, 1939-1940
	FF 4	1941
	FF 5	1942-1943
	FF 6	1944-1946
	FF 7	1948-1950
	FF 8	Speeches by ANR, 1942-1944, n.d.
	FF 9	Speech by O.H. Perry Pepper, n.d.
	FF 10	Presentations, 1949-1950
	FF 11	Statements, 1939-1950, n.d.
	FF 12	Organization, 1941-1947
	FF 13	Organization, 1948-1950, n.d.
	FF 14	Memoirs, 1940
	FF 15	Re autumn meeting, 1940
	FF 16	Programs, 1936, 1963, n.d.

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

National Academy of Sciences

Box 22	FF 17	Symposia, 1946-1947
	FF 18	The Geophysical Institute at the University of Alaska, 1945-1950
	FF 19	Newspaper clippings, 1940-1948
	FF 20	Diagrams, 1949, n.d.
	FF 21	Summaries of experiments, 1943, n.d.
		Reports
	FF 22	1939-1943
	FF 23	1946-1947
	FF 24	1948-1950
	FF 25	n.d.
		Articles
	FF 26	1936-1949
	FF 27	1950
	FF 28	n.d.
		Nominations for membership (printed)
	FF 29	A-B
	FF 30	C
	FF 31	D-E
	FF 32	F-G

ORGANIZATIONS (cont.)

National Academy of Sciences

Nominations for membership (printed)

Box 22	FF 33	H-K
	FF 34	L
	FF 35	M
	FF 36	N-R
	FF 37	S
	FF 38	T-V
	FF 39	W
	FF 40	Y-Z
	FF 41	Nominations for membership, A-K
	FF 42	Nominations for membership, L-W
	FF 43	Miscellaneous nominations for membership, n.d.
	FF 44	Re membership nomination, 1932-1947, n.d.
	FF 45	Re membership, 1939-1941
	FF 46	Re membership, 1942
	FF 47	Re membership, 1943
	FF 48	Re membership, 1944-1947, n.d.
	FF 49	Notes

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

Box 22	FF 50	National Council of American-Soviet Friendship, 1944-1945
	FF 51	National Defense Research Committee: Correspondence, 1940-1941
	FF 52	National Defense Research Committee: Meeting minutes, 1940-1941
	FF 53	National Defense Research Committee: Miscellaneous, 1940-1941
		National Mental Health Foundation Correspondence
	FF 54	Incoming, 1946-1948, n.d.
	FF 55	Outgoing, 1946-1948, n.d.
	FF 56	Third party, 1948
	FF 57	Organization, 1946-1948, n.d.
	FF 58	Agendas & proposals, 1948
	FF 59	Finances, 1946-1948
	FF 60	Reports, 1947-1948, n.d.
	FF 61	Prospects, 1948
	FF 62	Articles, 1947-1948, n.d.
	FF 63	Meeting minutes, 1948
		National Research Council
Box 23	FF 1	Incoming correspondence, 1936-1951
	FF 2	Outgoing correspondence, 1942-1951

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

National Research Council

Box 23	FF 3	Third party correspondence, 1942-1951
	FF 4	Officers and members, 1944-1948
	FF 5	Finances, 1941-1942
	FF 6	Finances, 1943-1945, 1950-1951
	FF 7	Meeting minutes, 1937-1943
	FF 8	Meeting minutes, 1944-1945
	FF 9	Meeting minutes, 1946-1950, n.d.
	FF 10	Statements, 1945-1951, n.d.
	FF 11	Statistics, 1942-1953, n.d.
	FF 12	Outlines, n.d.
	FF 13	Research grants, 1950
	FF 14	Research grants, 1950
	FF 15	Research grants, 1950
	FF 16	Bibliographies, n.d.
	FF 17	Articles, 1944, n.d.
		Reports
	FF 18	1943
	FF 19	1943-1944

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

National Research Council
Reports

Box 23	FF 20	1944-1945
	FF 21	1945
	FF 22	1946
	FF 23	1946-1947
	FF 24	1947-1948
	FF 25	1948-1950, n.d.
	FF 26	Publications, 1950, 1963
	FF 27	Miscellaneous

National Science Fund
Correspondence

	FF 28	Incoming, 1940-1946
	FF 29	Incoming, 1947
	FF 30	Outgoing, 1940-1947
	FF 31	Third party, 1941-1947
	FF 32	Organization, 1941, n.d.
	FF 33	Finances, 1941-1943
	FF 34	Articles, 1941-1947
	FF 35	Acts and bills, 1947

ORGANIZATIONS (cont.)

National Science Fund

Box 23	FF 36	Re membership, n.d.
	FF 37	Re membership, n.d.
	FF 38	Meeting minutes, 1941-1946
	FF 39	Reports, 1941-1945
	FF 40	Memoranda, 1940-1942
	FF 41	Notes
	FF 42	Neely Bill, 1946
	FF 43	Nobel Foundation, 1936-1950
	FF 44	D.W. Richards and the Nobel Prize, 1956
	FF 45	Office of Research and Inventions, 1946
		Office of Scientific Research and Development
	FF 46	Incoming correspondence, 1948
	FF 47	Outgoing correspondence, 1941-1948, n.d.
	FF 48	Third party correspondence, 1941-1948, n.d.
	FF 49	Memoranda, 1944-1945
	FF 50	Memoranda, 1945-1946, n.d.
	FF 51	Publications, 1944-1948, n.d.
	FF 52	Contracts, 1941, 1949, n.d.

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

Office of Scientific Research and Development

Box 23	FF 53	Bureau of Medicine, 1948, n.d.
	FF 54	U.S. Public Health Service, n.d.
	FF 55	Army medical research, 1947-1948, n.d.
	FF 56	Air Force and Navy
	FF 57	Miscellaneous medical
	FF 58	Miscellaneous medical research, n.d.
	FF 59	Miscellaneous medical research, n.d.
Box 24	FF 1	Charts, notes, & conversations
	FF 2	Final report on Troop Feeding Programs, 1945
		Penal Psychology
		Correspondence
	FF 3	Incoming, 1939-1941
	FF 4	Incoming, 1942-1945
	FF 5	Outgoing, 1939-1940
	FF 6	Outgoing, 1942-1945
	FF 7	Third party, 1936-1940
	FF 8	Third party, 1941-1945, n.d.
	FF 9	Executive Committee meeting minutes, 1940-1943
	FF 10	Miscellaneous meeting minutes, 1940-1942

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

Penal Psychology

- | | | |
|--------|-------|---------------------------------------|
| Box 24 | FF 11 | Reports, 1940-1942 |
| | FF 12 | Finances & articles, 1941-1943 |
| | FF 13 | Re Pennsylvania Plan, 1940-1943, n.d. |

Penicillin

Correspondence

- | | | |
|--|-------|---|
| | FF 14 | Incoming, 1941-1942 |
| | FF 15 | Incoming, 1943-1949 |
| | FF 16 | Incoming, 1956-1963, n.d. |
| | FF 17 | Outgoing, 1941-1945 |
| | FF 18 | Outgoing, 1956-1963 |
| | FF 19 | Third party, 1941-1942 |
| | FF 20 | Third party, 1943-1944 |
| | FF 21 | Third party, 1945, 1956-1963 |
| | FF 22 | Third party memoranda, 1941-1942, 1943, B-M |
| | FF 23 | Third party memoranda, 1943, P-W |
| | FF 24 | Third party memoranda, 1944-1956 |
| | FF 25 | Notes by Richards |
| | FF 26 | Notes by Richards |
| | FF 27 | Excerpts from correspondence |

ORGANIZATIONS (cont.)

Penicillin

Box 24	FF 28	History of penicillin
	FF 29	Articles by Richards, 1943-1964, n.d.
		Articles
	FF 30	1942-1943
	FF 31	1944, Jan.-Apr.
	FF 32	1944, Apr.-July
	FF 33	1944, Aug.-Oct.
	FF 34	1945, Mar.-May
	FF 35	1945, June-Dec.
	FF 36	1946
	FF 37	1947-1964
	FF 38	n.d.
	FF 39	Bulletins, 1944-1945
	FF 40	Diagrams, 1941-1946
	FF 41	Meeting minutes of National Research Council, 1940-1943
	FF 42	Meeting minutes of National Research Council, 1943-1944
	FF 43	Miscellaneous meeting minutes, 1940-1941
	FF 44	Reports, 1941-1943

ORGANIZATIONS (cont.)

		Penicillin
Box 24	FF 45	Reports, 1944
	FF 46	Reports, 1944-1945, n.d.
Box 25	FF 1	Pennsylvania in China: Correspondence, 1940
	FF 2	Pennsylvania in China: Contributions, 1940
		Pepper Laboratory
	FF 3	Incoming correspondence, 1940-1946
	FF 4	Outgoing correspondence, 1940-1946
	FF 5	Third party correspondence, 1930-1932
	FF 6	Third party correspondence, 1933-1946, n.d.
	FF 7	Examination guide, n.d.
	FF 8	Report, 1941
	FF 9	Re director, 1945
	FF 10	Re founding, 1891-1894, 1946, n.d.
	FF 11	Finances & lab equipment invoices, 1894-1944, n.d.
	FF 12	Executive Committee meeting minutes, 1932-1945
	FF 13	Miscellaneous meeting minutes, 1932-1944
	FF 14	Philadelphia Award: Correspondence, 1944-1948
	FF 15	Philadelphia Award: Purpose, 1946-1948

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

- Box 25 FF 16 Philadelphia Award: To Esmond Long, 1955
- FF 17 Philadelphia Institute for Medical Research: 1940-1941
- FF 18 Philadelphia Orthopedic Hospital: Minutes, 1921-1942
- FF 19 Rehabilitation (U.S. Air Force), 1945-1949
- FF 20 Dedication of Richards' Building: Correspondence, 1960
- FF 21 Dedication of Richards' Building: Photo, program, & press releases, 1960
- FF 22 Dedication of Richards' Building: Notes & ms. for Richards' address, 1960
- FF 23 Dedication of Richards' Building: Article in Medical Affairs, 1960
- FF 24 Richards' portrait fund: Contributor list, n.d.
- Robinette Foundation
- FF 25 Third party correspondence, 1927-1938
- FF 26 Re founding, n.d.
- FF 27 Finances, 1928-1933
- Reports
- FF 28 2 & 4, 1929-1930
- FF 29 5-6, 1930-1931
- FF 30 7-8, 1931-1932
- FF 31 9-10, 1932-1933

ORGANIZATIONS (cont.)

Robinette Foundation
Reports

Box 25	FF 32	11-12, 1933-1934
	FF 33	13-14, 1934-1935
	FF 34	15-16, 1935-1936
	FF 35	Miscellaneous, 1937-1938

Rockefeller Foundation

FF 36	Re membership, 1930, 1939, n.d.
FF 37	Meeting minutes, 1939-1941
FF 38	Directory of funds, n.d., A-F
FF 39	Directory of funds, n.d., G-P
FF 40	Directory of funds, n.d., R-Z

Rosengarten Memorial Fund

FF 41	Incoming correspondence, 1949-1963
FF 42	Outgoing correspondence, 1949-1958
FF 43	Third party correspondence, 1949-1958
FF 44	Research & finances, 1949-1958

FF 45	St. Christopher's Hospital, 1937-1939, n.d.
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Sharpe and Dohme
Correspondence

FF 46	Incoming, 1939
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Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

Sharpe and Dohme

Correspondence

Box 25	FF 47	Incoming, 1940-1941
	FF 48	Outgoing, 1939-1946, n.d.
		Third party
	FF 49	1933, 1934, B-L
	FF 50	1934, M-W
	FF 51	1935, B-P
	FF 52	1935, R-Z
	FF 53	1936-1937
	FF 54	1938
	FF 55	1939
	FF 56	1940-1945, n.d.
	FF 57	Memoranda, 1938-1941
Box 26	FF 1	Notes, 1930-1938
	FF 2	Notes, 1939-1942, n.d.
	FF 3	Excerpts from correspondence & conversations, 1937-1940
	FF 4	Agreements, 1932-1934
	FF 5	Agreements, 1935
	FF 6	Agreements, 1936-1941, n.d.

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

Sharpe and Dohme

Box 26	FF 7	Articles & reports, 1934-1938
	FF 8	Articles & reports, 1939-1940, n.d.
	FF 9	Reprints, 1934-1939
	FF 10	Executive Committee meeting minutes, 1933-1945
	FF 11	Miscellaneous meeting minutes, 1935-1940, n.d.
	FF 12	Finances & diagrams, 1953, n.d.
	FF 13	Sigma Xi, 1931-1944, n.d.
		Student Health Department
	FF 14	Third party correspondence, 1930-1932
	FF 15	Third party correspondence, 1933-1935
	FF 16	Third party correspondence, 1936-1937
	FF 17	Third party correspondence, 1938
	FF 18	Memoranda & meeting minutes, 1931-1938, n.d.
	FF 19	Reports, charts, & pamphlets, 1929-1938, n.d.
	FF 20	Sugar Research Foundation: Correspondence, addresses, & clippings, 1944-1945
	FF 21	Sugar Research Foundation: Reports & awards, 1945-1947
	FF 22	Re Edward Thompson: Correspondence & notes, 1940-1948, n.d.
	FF 23	United China Relief Program Division, 1943-1944

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

United States Public Health Service

National Foundation for Infantile Paralysis

Box 26	FF 24	1948, Jan.-June (1)
	FF 25	1948, Jan.-June (2)
	FF 26	1948, Jan.-June (3)
	FF 27	1948, Jan.-June (4)
		Financial reports
	FF 28	1948, Oct. 1
	FF 29	1948, Oct. 15 - Nov. 12
	FF 30	1948, Nov. 19 - Dec. 3
	FF 31	1949, Oct. 1-22
	FF 32	Report to the Medical Advisory Committee, 1948 (1)
	FF 33	Report to the Medical Advisory Committee, 1948 (2)
	FF 34	Report of Committee on Medical and Hospital Services of the Armed Forces, 1949
		Annual meetings and conference of Advisory Board for Medical Specialties
	FF 35	1948 (1)
	FF 36	1948 (2)
	FF 37	1948 (3)
	FF 38	1948 (4)

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

		United States Public Health Service
		Annual meetings and conference of Advisory Board for Medical Specialties
Box 26	FF 39	Miscellaneous, 1948-1949, n.d.
		University of Pennsylvania
	FF 40	Bicentennial, 1940
		University of Pennsylvania Development Fund
	FF 41	Incoming correspondence, 1946-1948, n.d.
	FF 42	Outgoing correspondence, 1946-1948
	FF 43	Unidentified outgoing correspondence, 1947-1948, n.d.; outgoing correspondence, n.d.
	FF 44	Third party correspondence, 1947-1948
	FF 45	Meeting minutes & notes, 1946-1948
	FF 46	Purpose, 1946-1948
	FF 47	Purpose, n.d.
		University of Pennsylvania Hospitals
		Correspondence
	FF 48	Incoming, 1940-1946
	FF 49	Outgoing, 1939-1946
		Third party
	FF 50	1922-1932
	FF 51	1933-1935
	FF 52	1936-1938

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

University of Pennsylvania Hospitals
Correspondence
Third party

Box 26	FF 53	1939-1946, n.d.
	FF 54	1931-1945, n.d.
	FF 55	Executive Committee meeting minutes, 1931-1946
	FF 56	Miscellaneous meeting minutes, 1931-1936
	FF 57	Miscellaneous meeting minutes, 1937-1946, n.d.
	FF 58	Finances, 1930-1936
Box 27	FF 1	Finances, 1937-1938
	FF 2	Finances, 1939-1946
	FF 3	Finances, n.d.
	FF 4	Statistics, 1930-1945, n.d.
	FF 5	Proposals, 1930-1939
	FF 6	Proposals, n.d.
	FF 7	Program, 1904-1946
	FF 8	Program, n.d.
	FF 9	Reports, 1935
	FF 10	Reports, 1937-1943, n.d.
	FF 11	Notes & survey, 1938, n.d.

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

University of Pennsylvania Hospitals

- | | | |
|--------|-------|------------------------|
| Box 27 | FF 12 | Re founding, 1909-1926 |
| | FF 13 | Re founding, 1926-1934 |
| | FF 14 | Re founding, 1934-1962 |
| | FF 15 | Re founding, n.d. |

Veterinary School

Correspondence

- | | | |
|--|-------|--|
| | FF 16 | Incoming, 1939-1941 |
| | FF 17 | Incoming, 1942 |
| | FF 18 | Incoming, 1943-1944 |
| | FF 19 | Incoming, 1945-1946, n.d. |
| | FF 20 | Outgoing, 1939-1943 |
| | FF 21 | Outgoing, 1944 |
| | FF 22 | Outgoing, 1945-1946 |
| | FF 23 | Third party, 1931-1940 |
| | FF 24 | Third party, 1941-1942 |
| | FF 25 | Third party, 1943-1944 |
| | FF 26 | Third party, 1945-1946 |
| | FF 27 | Finances, 1930-1945, n.d. |
| | FF 28 | Executive Committee meeting minutes, 1939-1942 |

ORGANIZATIONS (cont.)

Veterinary School

Box 27	FF 29	Executive Committee meeting minutes, 1943-1945
	FF 30	Miscellaneous meeting minutes, 1940-1945
	FF 31	Articles, 1944-1945, n.d.
	FF 32	Reprints & clippings, 1930-1941
	FF 33	Proposals, 1940-1945, n.d.
	FF 34	Agreements, 1936-1943, n.d.
	FF 35	Reports & charts, 1932-1945
	FF 36	Re classes, 1936-1944, n.d.
	FF 37	Notes & memoranda, 1940-1945, n.d.
	FF 38	Miscellaneous, 1935-1946, n.d.
	FF 39	Vivisection trial: Clippings, 1914, Apr.
	FF 40	Who's Who, 1960
		Wistar Institute
		Correspondence
	FF 41	Incoming, 1939-1944
	FF 42	Incoming, 1945-1948
	FF 43	Incoming, 1949-1952, n.d.
	FF 44	Outgoing, 1939-1951, n.d.
	FF 45	Third party, 1928-1942

Alfred Newton Richards Papers
UPT 50 R514
Inventory

ORGANIZATIONS (cont.)

Wistar Institute

Correspondence

Box 27	FF 46	Third party, 1945-1947
	FF 47	Third party, 1948
	FF 48	Third party, 1949-1953, n.d.

Meeting minutes

	FF 49	1936-1941
	FF 50	1942-1948
	FF 51	1949
	FF 52	1950
	FF 53	1951
	FF 54	1952
	FF 55	Annual reports, 1948-1949
	FF 56	Annual reports, 1950-1951
	FF 57	Financial reports, 1948-1949
Box 28	FF 1	Financial reports, 1950-1951
	FF 2	Miscellaneous reports, 1945-1946
	FF 3	Miscellaneous reports, 1947
	FF 4	Finances, 1937-1948
	FF 5	Reprints, 1944-1945

ORGANIZATIONS (cont.)

Wistar Institute

Box 28	FF 6	Reprints, 1946-1947
	FF 7	Reprints, 1948-1950, n.d.
	FF 8	Articles, 1944-1946, n.d.
	FF 9	Proposals, 1950
	FF 10	Conferences, 1940-1946, n.d.
	FF 11	Experiments & diagrams, 1939-1946, n.d.
	FF 12	Re founding, 1894-191902
	FF 13	Re founding, 1902-1948, n.d.
	FF 14	Notes, 1937-1948, n.d.

World War I

Correspondence

	FF 15	Incoming and memoranda, 1917-1918, n.d.
	FF 16	Outgoing and memoranda, 1917-1918, n.d.
	FF 17	Third party and memoranda, 1913-1917
	FF 18	Third party and memoranda, 1918, n.d.

Studies on gas warfare

	FF 19	(in English), 1918
	FF 20	(in French), 1918, A-N
	FF 21	(in French), 1918, P-S

ORGANIZATIONS (cont.)

World War I

- Studies on gas warfare
(in French), 1918, S-T
- Box 28 FF 22
- FF 23 (in Italian), 1918
- FF 24 Laboratory equipment lists & invoices, n.d.
- FF 25 Notes re experiments, n.d.
- FF 26 Notes re experiments, n.d.
- FF 27 Charts & graphs, n.d.
- FF 28 Charts & graphs, n.d.
- FF 29 Charts & graphs, n.d.
- FF 30 Charts & graphs, n.d.
- FF 31 Photos re experiments, n.d.
- FF 32 Publication: British Medicine in the War, 1917
- FF 33 Reports on experiments, 1918
- FF 34 Reports on experiments, n.d.
- FF 35 Miscellaneous reports, 1917-1918
- FF 36 Publications, 1915-1918
- FF 37 Reprints of Weekly Bulletins of Disease, 1918
- Special Committee on Surgical Shock
- FF 38 Memoranda, 1918, Apr.-Dec.

ORGANIZATIONS (cont.)

World War I

Special Committee on Surgical Shock

Box 28	FF 39	Notes re experiments, 1917-1918
	FF 40	Abstracts, n.d.
	FF 41	Lectures, n.d.
	FF 42	Reports, 1917-1918
	FF 43	Meeting minutes, 1917-1919
	FF 44	Meeting minutes, n.d.
	FF 45	Re experiments in Dale's Laboratory, 1926-1927

Zoological Society of Philadelphia

Box 29	FF 1	Correspondence & meeting minutes, 1953
	FF 2	Reports, 1951-1953; articles, 1949, 1952

Miscellaneous Organizations,

FF 3	A-B
FF 4	C-D
FF 5	E-N
FF 6	Pe-Phi
FF 7	Phy
FF 8	Q-S
FF 9	S-W

Alfred Newton Richards Papers
UPT 50 R514
Inventory

UNIVERSITY (cont.)

Addresses by ANR

Box 29	FF 10	Addresses by ANR, 1929-1935
	FF 11	Addresses by ANR, 1937-1938
	FF 12	Addresses by ANR, 1940-1941
	FF 13	Addresses by ANR, 1942-1945
	FF 14	Addresses by ANR, 1946, Jan. 3-20
	FF 15	Addresses by ANR, 1946, Jan. 31 - May
	FF 16	Addresses by ANR, 1947, Mar.-Oct.
	FF 17	Addresses by ANR: Incoming correspondence re "Accomplishments of George W. Merck," 1947
	FF 18	Addresses by ANR: Re "Accomplishments of George W. Merck," 1947
	FF 19	Addresses by ANR, Re "Accomplishments of George W. Merck," 1947
	FF 20	Addresses by ANR, 1947-1949
	FF 21	Addresses by ANR, 1951-1960
	FF 22	Addresses by ANR, n.d.

Lectures by ANR

FF 23	1907-1908
FF 24	1910-1911
FF 25	1911-1917

Alfred Newton Richards Papers
UPT 50 R514
Inventory

UNIVERSITY (cont.)

Lectures by ANR

Box 29	FF 26	1920-1923
	FF 27	1924-1926
	FF 28	Heurter Lectures at NYU & Bellevue Medical College, 1926, Feb. 15-18
	FF 29	1928-1929
	FF 30	1930-1934
	FF 31	1935-1938
	FF 32	Croonian lecture: Correspondence, 1938
	FF 33	Croonian lecture: Manuscript, 1938
	FF 34	Croonian lecture: Photos, 1938
	FF 35	1939-1940
	FF 36	1941-1944
	FF 37	n.d.
	FF 38	n.d.
	FF 39	n.d.
	FF 40	n.d.
	FF 41	Outlines for n.d.
	FF 42	Recommendations by ANR, 1936-1947

Alfred Newton Richards Papers
UPT 50 R514
Inventory

UNIVERSITY (cont.)

Box 29	FF 43	Re examinations, 1907-1911, n.d.
		Courses
	FF 44	1926-1933
	FF 45	1933-1940
	FF 46	1940-1943
Box 30	FF 1	1944-1945
	FF 2	1945-1946
	FF 3	1947-1961
	FF 4	n.d.
	FF 5	n.d.
	FF 6	n.d.
	FF 7	n.d.
		Experiments
	FF 8	Bayliss: "The Electrical Conductivity of Glomerular Urine," 1929
	FF 9	Elsom: Various experiments, Book I, 1932
	FF 10	Elsom: Various experiments, Book II, 1932
	FF 11	Elsom: Experiments re bichloride & kidney, n.d.
	FF 12	Florey: Experiment notes, n.d.
	FF 13	Freeman: Various experiments, Book I, 1924

Alfred Newton Richards Papers
UPT 50 R514
Inventory

UNIVERSITY (cont.)

Experiments

Box 30	FF 14	Freeman: Various experiments, Book II, 1926
	FF 15	Freeman: Various experiments, Book III, 1926
	FF 16	Goldthwaite: Morphine experiments on dogs, 1919
	FF 17	Kempton: "The Utilization of Corrosive Sublimate Poisoning as a Method of Eliminating Tubular and Isolating Glomerular Function," 1935
	FF 18	Krick: Experiments re uric acid determinations, Book I, n.d.
	FF 19	Krick: Experiments re uric acid determinations, Book II, n.d.
	FF 20	Krick: Experiments re uric acid determinations, Book III, 1932
	FF 21	Krick: Experimental data re uric acid in glomerular fluid, 1931-1932
	FF 22	Lamy & Mayer: Studies re diuresis, 1904-1905
	FF 23	Light & Miller: Experiments on cats, 1916-1917
	FF 24	Montgomery: Re frog tubules, 1935
	FF 25	Pierce: "The Application of the Micro Quinhydrone Electrode to the Determination of the Biological Fluids of Warm-Blooded Animals: The pH of Aqueous Humour," nd
	FF 26	Schmidt: Notes re the frog kidney, 1920-1921
	FF 27	Schmidt: Various experiments, 1920-1921

Alfred Newton Richards Papers
UPT 50 R514
Inventory

UNIVERSITY (cont.)

Experiments

Box 30	FF 28	Starr: Experiments with dogs, 1920
	FF 29	Walker: Miscellaneous experiments, 1933, 1938-1939
	FF 30	Walker: Miscellaneous experiments, n.d.
	FF 31	Walker: Miscellaneous experiments, n.d.
	FF 32	Wearn: Notes & manuscripts re micropuncture of frog glomerulus, 1921-1922
	FF 33	Weinstein & Yanoff: Note cards re experiment results, n.d. (1)
	FF 34	Weinstein & Yanoff: Note cards re experiments results, n.d. (2)
	FF 35	Weinstein & Yanoff: Note cards re experiments results, n.d. (3)
	FF 36	Westfall: "Inulin vs. Creatinine vs. Urea," 1936
	FF 37	Wind: Re mesenteric capillaries, 1934
	FF 38	Caffeine experiments, 1915
	FF 39	Carbon dioxide in blood, n.d.
	FF 40	Note cards re creatinine, n.d.
	FF 41	Frog Method Assay of Digitalis, 1925
	FF 42	Effect of Diuresis on Sugar Chloride of Rabbit Urine, 1938
	FF 43	Experiments re glomerular urine, n.d.

UNIVERSITY (cont.)

Experiments

Box 31	FF 1	Essay re glomerular function, n.d.
	FF 2	Notes re glomerular urine, 1923
	FF 3	Experiments re glomerular urine, 1923
	FF 4	Experiments re glomerular urine, 1929
	FF 5	Experiments re glomerular fluid, 1931, Apr.-Nov.
	FF 6	Experiments re glomerular fluid, 1931, Nov. - 1932
	FF 7	Quantitative Chemical Comparison of Glomerular Urine With Blood Plasma (1)
	FF 8	Quantitative Chemical Comparison of Glomerular Urine With Blood Plasma (2)
	FF 9	Histamine experiments, 1917
	FF 10	Histamine experiments, 1918 (1)
	FF 11	Histamine experiments, 1918 (2)
	FF 12	Histamine experiments, 1925
	FF 13	Inulin experiments with toadfish, 1933-1935
	FF 14	Inulin experiments, 1935
	FF 15	Experiment re inulin in glomerular urine, 1935
	FF 16	Experiment re inulin vs. creatinine in the dog, 1935-1936
	FF 17	Drawings of inulin secretion experiments, 1936

Alfred Newton Richards Papers
UPT 50 R514
Inventory

UNIVERSITY (cont.)

Experiments

Box 31	FF 18	Experiments re rabbit kidney distortions, 1933-1934
	FF 19	Experiments re frog kidneys, 1920-1924
		Kidney studies
	FF 20	1926
	FF 21	1933 (1)
	FF 22	1933 (2)
	FF 23	1933 (3)
	FF 24	1934
	FF 25	Experiments re frog kidneys, 1937-1938
	FF 26	Notes re morphine experiments, 1920
	FF 27	Perfusion of dog's kidney, 1916
	FF 28	Perfusion of frog's kidney, 1919
	FF 29	Experiments with nephelometer & frog perfusion, 1926 (1)
	FF 30	Experiments with nephelometer & frog perfusion, 1926 (2)
	FF 31	Perfusion experiments on frog, dog, & rabbit, 1937-1938
	FF 32	Perfusion experiments on frog, dog, & rabbit, 1939
		Phenol red
	FF 33	1924, 1926, Jan.-Apr.
	FF 34	1926, Apr.-June

Alfred Newton Richards Papers
UPT 50 R514
Inventory

UNIVERSITY (cont.)

Experiments

Phenol red

Box 31	FF 35	1926, July-Aug.
	FF 36	1928-1929
	FF 37	natural red, & bichloride poisoning in kidney, 1929-1930
	FF 38	natural red, & bichloride poisoning in kidney, 1930
	FF 39	n.d.
	FF 40	Experiments re necturus tubules, 1933
	FF 41	Drawings of frog & necturus tubules, 1936
	FF 42	Notes for Montreal Symposium re tubule transport friction, 1953

Miscellaneous

Box 32	FF 1	1917-1928
	FF 2	1929-1930
	FF 3	1932, 1933, Jan.-Feb.
	FF 4	1933, Mar.-Apr.
	FF 5	1933, May
	FF 6	1933, June
	FF 7	1933, July-Sept.
	FF 8	1933, Oct.-Dec.

Alfred Newton Richards Papers
UPT 50 R514
Inventory

UNIVERSITY (cont.)

Experiments

Miscellaneous

Box 32	FF 9	1934
	FF 10	1935
	FF 11	n.d.
	FF 12	n.d.
	FF 13	n.d.
	FF 14	n.d.
	FF 15	n.d.
	FF 16	n.d.
	FF 17	n.d.
	FF 18	Miscellaneous graphs, charts, & diagrams, 1932-1942, n.d.

Photographs

FF 19	Re miscellaneous experiments, n.d.
FF 20	Re miscellaneous experiments, n.d.
FF 21	Re laboratory set-ups, n.d.
FF 22	diagrams & graphs: B-1957, #1-5, n.d.
FF 23	diagrams & graphs: B-1957, #6-10, n.d.
FF 24	diagrams & graphs: B-1957, #11-21, n.d.

Alfred Newton Richards Papers
UPT 50 R514
Inventory

UNIVERSITY (cont.)

Photographs

Box 32	FF 25	miscellaneous diagrams, n.d.
	FF 26	miscellaneous diagrams, n.d.
		Chars and graphs
	FF 27	1921-1945, n.d.
	FF 28	n.d.
	FF 29	n.d.
	FF 30	n.d.
	FF 31	n.d.
	FF 32	n.d.
	FF 33	Scientific exhibit, 1937
	FF 34	License to perform experiments on living animals in Britain, 1917
	FF 35	Re laboratory equipment, 1932-1946, n.d.

WRITINGS

Bibliographies

Box 33	FF 1	Bibliographies
	FF 2	Bibliographies
	FF 3	Bibliographies
	FF 4	Bibliographies
	FF 5	Bibliographies

WRITINGS (cont.)

Abstracts

Box 33	FF 6	re kidney function
	FF 7	re kidney function
	FF 8	re kidneys, A-E
	FF 9	re kidneys, F-K
	FF 10	re kidneys, L-O
	FF 11	re kidneys, P-Z
	FF 12	re fluorecein in frog's kidney
	FF 13	re determination of creatinine
	FF 14	re creatinine
	FF 15	re blood flow, nephritis, & pressor substances
	FF 16	re blood & kidney analysis
	FF 17	re morphine
	FF 18	re morphine
	FF 19	on note cards re drugs
	FF 20	re renal function
	FF 21	re renal tubules
	FF 22	on notecards (1)
	FF 23	on notecards (2)

Alfred Newton Richards Papers
UPT 50 R514
Inventory

WRITINGS (cont.)

Abstracts

Miscellaneous

Box 33	FF 24	A-G
	FF 25	H-M
	FF 26	N-Z
	FF 27	
	FF 28	
	FF 29	
	FF 30	
	FF 31	
	FF 32	
	FF 33	
	FF 34	
	FF 35	
	FF 36	
	FF 37	
	FF 38	
	FF 39	
Box 34	FF 1	
	FF 2	
	FF 3	

Alfred Newton Richards Papers
UPT 50 R514
Inventory

WRITINGS (cont.)

Abstracts

Miscellaneous

Box 34 FF 4

FF 5

FF 6

FF 7

FF 8

Articles

FF 9 Bibliography of Richards' work, 1955

FF 10 Richards: "Dr. Abraham Flexner," 1960

FF 11 Richards: "Kidney Function," 1922

FF 12 Richards: "Preface," nd

FF 13 Richards: "Processes of Urine Formation," nd

FF 14 Richards: "Production of Penicillin in the United States
1941-1946," 1963

FF 15 Richards: "The Relation of Chemistry to Medicine," 1940

FF 16 Richards: "Research in Medicine at the University of
Pennsylvania," 1940

FF 17 Richards: "A Simple Instrument for Micromanipulations,"
1930

FF 18 Richards: "Symposium on Clinical Medicine: Dedicatory
Forward to Dr. O.H. Perry Pepper," 1953

Alfred Newton Richards Papers
UPT 50 R514
Inventory

WRITINGS (cont.)

Articles

- | | | |
|--------|-------|--|
| Box 34 | FF 19 | Richards, Barnwell, and Bradley: "The Effect of Small Amounts of Adrenalin Upon the Glomerular Blood Vessels of the Frog's Kidney Perfused at Constant Rate," 1927 |
| | FF 20 | Richards and Barnwell: "Experiments Concerning the Question of Secretion of Phenolsulphonephthalein by the Renal Tubule," 1927 |
| | FF 21 | Beck, Kempton, and Richards: "The Action of Cyanide and of Oxygen Lack on Glomerular Function in the Perfused Frog's Kidney," 1938 |
| | FF 22 | Bott and Richards: "The Passage of Protein Molecules Through the Glomerular Membranes," 1941 |
| | FF 23 | Richards and Committee of the Faculty: "Pennsylvania: The State and the University," 1935 |
| | FF 24 | Richards and Drinker: "An Apparatus for the Perfusion of Isolated Organs," 1915 |
| | FF 25 | Freeman, Livingston, Richards: "A Second Series of Quantitative Estimations of the Concentration of Chlorides in Glomerular Urine from Frogs," nd |
| | FF 26 | Hendrix, Westfall, and Richards: "Quantitative Studies of the Composition of Glomerular Urine," 1936 |
| | FF 27 | Richards and Plant: "Urine Formation by the Perfused Kidney: Preliminary Experiments on the Action of Caffeine," 1915 |
| | FF 28 | Richards and Plant: "Urine Formation in the Perfused Kidney," 1922 |

Alfred Newton Richards Papers
UPT 50 R514
Inventory

WRITINGS (cont.)

Articles

- | | | |
|--------|-------|---|
| Box 34 | FF 29 | Richards and Schmidt: "A Description of the Glomerular Circulation in the Frog's Kidney and Observations Concerning the Action of Adrenalin and Various Other Substances Upon It," 1924 |
| | FF 30 | Richards and Walker: "Quantitative Studies of the Glomerular Elimination of Phenol Red and Indigo Carmine in Frogs," 1929 |
| | FF 31 | Richards and Walker: "Urine Formation in the Amphibian Kidney," 1935 |
| | FF 32 | Richards and Wearn: "Observations on the Composition of Glomerular Urine, With Particular Reference to the Problem of Reabsorption in the Renal Tubules" [won Boylston Prize], 1923 |

By others

- | | |
|-------|---------|
| FF 33 | A (1) |
| FF 34 | A (2) |
| FF 35 | A (3) |
| FF 36 | A-Bec |
| FF 37 | Ben-Bey |
| FF 38 | Bo-Bu |
| FF 39 | Ca-Co |
| FF 40 | Cu |
| FF 41 | D-E |

Alfred Newton Richards Papers
UPT 50 R514
Inventory

WRITINGS (cont.)

Articles

By others

Box 34	FF 42	E-F
	FF 43	G-He
	FF 44	Hi-Ho
	FF 45	K
	FF 46	L
	FF 47	Ma-Mc
	FF 48	Me-Mu
	FF 49	P-R
	FF 50	R
	FF 51	Sa
	FF 52	Sc
	FF 53	Se
	FF 54	Se-Si
	FF 55	Sm-St
	FF 56	T-W
Box 35	FF 1	W
	FF 2	W-Z

Alfred Newton Richards Papers
UPT 50 R514
Inventory

WRITINGS (cont.)

Articles

By unidentified authors

Box 35	FF 3	1935
	FF 4	1935-1953
	FF 5	n.d.
	FF 6	n.d.
	FF 7	n.d.

Addresses by others

FF 8	B-F
FF 9	G-Q
FF 10	R-W
FF 11	Unidentified authors, 1946-1953, n.d.

Journals and pamphlets

FF 12	A
FF 13	A-B
FF 14	G
FF 15	J-M
FF 16	M
FF 17	M-P
FF 18	P-R

Alfred Newton Richards Papers
UPT 50 R514
Inventory

WRITINGS (cont.)

Journals and pamphlets

Box 35 FF 19

S-W

Reprints

Author

FF 20

Anderson, Donald

FF 21

Beyer, Karl H., A-E

FF 22

Beyer, Karl H., E-R

FF 23

Bliss, C.I.

FF 24

Borgstrom, S.A.

FF 25

Bronk, Detlev W., D-H

FF 26

Bronk, Detlev W., I-P

FF 27

Bush, Vannever

FF 28

Canavan, William P.N., C-N

FF 29

Canavan, William P.N., N-S

FF 30

Clarke, Hans T.

FF 31

Conklin, Edwin G.

FF 32

deBodo, R.C.

FF 33

Ekehorn, Gosta

FF 34

Farris, Edmond J.

FF 35

Gross, Ludwik

Alfred Newton Richards Papers
UPT 50 R514
Inventory

WRITINGS (cont.)

Reprints

Author

		Author
		Hammett, Frederick S.
Box 35	FF 36	A-H
	FF 37	I-N
	FF 38	O-R
	FF 39	S-W
		Ingle, Dwight J.
	FF 40	B-E
	FF 41	E
	FF 42	E-F
	FF 43	G-R
	FF 44	R-W
	FF 45	Keefer, Chester S.
	FF 46	Kluver, Heinrich
	FF 47	Lambertson, Christian J.
	FF 48	Lewey, Frederic H.
	FF 49	Liljestrand, G.
	FF 50	Logan, H.L.
	FF 51	Lukens, F.D.W.

Alfred Newton Richards Papers
UPT 50 R514
Inventory

WRITINGS (cont.)

Reprints

Author

Box 35	FF 52	Malloch, Archibald
	FF 53	Mudd, Stuart
Box 36	FF 1	Overholser, Winfred
	FF 2	Pillsbury, Donald
	FF 3	Remington, J.W.
	FF 4	Reynolds, S.R.M.
	FF 5	Richter, Curt P., A-C
	FF 6	Richter, Curt P., C-S
	FF 7	Rusk, Howard A.
	FF 8	Russell, John M.
	FF 9	Schmidt-Nielson, Bodil
	FF 10	Shrycock, Richard
	FF 11	Smith, Homer W.
	FF 12	Waksman, Selman A.
	FF 13	Weiss, Paul
	FF 14	Wells, William F.
	FF 15	Werner, Harold W.

Alfred Newton Richards Papers
UPT 50 R514
Inventory

WRITINGS (cont.)

Reprints

Author

Box 36	FF 16	Wilbrandt, W., D-S
	FF 17	Wilbrandt, W., U
	FF 18	Wilbrandt, W., U-Z

Place

Argentina

	FF 19	A
	FF 20	C-H
	FF 21	H
	FF 22	H-R
	FF 23	Charles Pfizer & Company

Cornell

	FF 24	A-G
	FF 25	G-L
	FF 26	M-R
	FF 27	R-W

	FF 28	Denmark
--	-------	---------

	FF 29	Edinburgh
--	-------	-----------

Evans Memorial Hospital

	FF 30	A-B
--	-------	-----

Alfred Newton Richards Papers
UPT 50 R514
Inventory

WRITINGS (cont.)

Reprints

Place

		Evans Memorial Hospital
Box 36	FF 31	B-D
	FF 32	E-F
	FF 33	F-H
	FF 34	H-I
	FF 35	K-L
	FF 36	L
	FF 37	M-R
	FF 38	S
	FF 39	Wa-We
	FF 40	We
	FF 41	We-Wi
	FF 42	Wi
	FF 43	Institute of Andean Biology
	FF 44	Johnson Foundation, A-C
	FF 45	Johnson Foundation, C-D
	FF 46	Johnson Foundation, H-W
	FF 47	Long Island College of Medicine

Alfred Newton Richards Papers
UPT 50 R514
Inventory

WRITINGS (cont.)

Reprints

Place

Box 36	FF 48	Mellon Lectures
	FF 49	Memorial Hospital
		Merck
	FF 50	A-K
Box 37	FF 1	M-O
	FF 2	P-S
	FF 3	S-U
	FF 4	U-W
		Middlesex Hospital Medical School
	FF 5	1944-1946
	FF 6	1946-1948
	FF 7	1949-1950
	FF 8	1950-1951
	FF 9	National Institutes of Health, D-S
	FF 10	National Institutes of Health, S-Y
	FF 11	Peter Bent Brigham Hospital
	FF 12	Rockefeller grants, G-M
	FF 13	Rockefeller grants, O-W

Alfred Newton Richards Papers
UPT 50 R514
Inventory

WRITINGS (cont.)

Reprints

Place

Box 37	FF 14	Rockefeller Institute, C-S
	FF 15	Rockefeller Institute, S
	FF 16	St. Louis University School of Medicine
		University of Basle
	FF 17	B-F
	FF 18	F-M
	FF 19	M-S
	FF 20	S
	FF 21	S-V
	FF 22	V (1)
	FF 23	V (2)
	FF 24	V (3)
	FF 25	W
	FF 26	University of Bern
	FF 27	University of California
	FF 28	University of Chile
	FF 29	University of Georgia
	FF 30	University of Ghent

WRITINGS (cont.)

Reprints

Place

Box 37	FF 31	University of Illinois
		University of Liege
	FF 32	A-C
	FF 33	D-L
	FF 34	L-N
	FF 35	P-W
	FF 36	University of Minnesota
	FF 37	University of Southern California
	FF 38	University of Tennessee
	FF 39	Vanderbilt University
	FF 40	William S. Merrell Company

Subject

FF 41	Adrenal cortex
FF 42	Alpha naphthyl thiourea
FF 43	Atomic energy (1)
FF 44	Atomic energy (2)
FF 45	Bacteriology
FF 46	Blood substitutes (1)

**Alfred Newton Richards Papers
 UPT 50 R514
 Inventory**

WRITINGS (cont.)

Reprints

Subject

Box 37	FF 47	Blood substitutes (2)
Box 38	FF 1	Blood substitutes (3)
	FF 2	Blood substitutes (4)
	FF 3	Cellular physiology
	FF 4	Kidney, A-E
	FF 5	Kidney, M-W
	FF 6	Libraries
	FF 7	Medical care
	FF 8	Membrane permeability
		Memoirs
	FF 9	C-D
	FF 10	F-K
	FF 11	L-M
	FF 12	P-R
	FF 13	S
	FF 14	S-W
	FF 15	Nutrition
	FF 16	Penicillin

Alfred Newton Richards Papers
UPT 50 R514
Inventory

WRITINGS (cont.)

Reprints

Subject

Miscellaneous

Box 38	FF 17	A-B
	FF 18	B-C
	FF 19	D
	FF 20	E-G
	FF 21	G
	FF 22	G-H
	FF 23	H (1)
	FF 24	H (2)
	FF 25	H-K
	FF 26	K-L
	FF 27	L
	FF 28	L-M
	FF 29	M
	FF 30	M-P
	FF 31	R-S
	FF 32	S
	FF 33	S-T

**Alfred Newton Richards Papers
UPT 50 R514
Inventory**

WRITINGS (cont.)

Reprints

Subject

Miscellaneous

Box 38	FF 34	V-W
	FF 35	W
	FF 36	W-Y