

H. Corwin Hinshaw Papers, 1925-1994
1925-1994
Mss.Ms.Coll.107

American Philosophical Society
2001
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Summary Information

Repository	American Philosophical Society
Creator	Hinshaw, H. Corwin, 1902-2000
Title	H. Corwin Hinshaw Papers, 1925-1994
Date [inclusive]	1925-1994
Call number	Mss.Ms.Coll.107
Extent	3.75 Linear feet
Location	LH-SB-18-4 (Series I-IV); LH-B-32-5 (Series V); LH-B-25-4 (OS)
Language	English
Abstract	<p>H. (Horton) Corwin Hinshaw was a physician and pulmonary specialist; the high point of his career was his work with streptomycin, the first anti-microbial drug developed after penicillin. Streptomycin has proven to be effective in combating a variety of bacterial infections, including those that are penicillin-resistant. It was also the first drug used to treat tuberculosis successfully, although the high rate of mutation in the tuberculosis bacilli causes it to build up a resistance to the drug over time. Hinshaw and his collaborator, William H. Feldman, were nominated for the Nobel Prize in Medicine in 1952, but lost out to their colleague, Selman A. Waksman, who first extracted streptomycin in the laboratory. Hinshaw subsequently had a long and distinguished career in medical research, private practice, teaching, and writing. The H. Corwin Hinshaw Papers (1925-1993) contain correspondence, research notes, and manuscripts of published and unpublished works by Hinshaw and his colleagues, as well as published papers by Hinshaw and his colleagues, particularly William H. Feldman. Also included</p>

are several videotapes of expert witness testimony and an audiotape of reminiscences. The collection covers much of Hinshaw's career, but is most particularly focused on the development of streptomycin and the treatment of tuberculosis.

Preferred Citation

Cite as: H. Corwin Hinshaw Papers, American Philosophical Society.

Background note

H. (Horton) Corwin Hinshaw was born August 1, 1902 in Iowa Falls, Iowa, and was raised on an apple farm in the Quaker community of Greenleaf, Idaho. He became a physician and pulmonary specialist instead of a farmer, but ironically the high point of his career was his work with streptomycin, an antibiotic substance extracted from soil. Streptomycin, the first anti-microbial drug developed after penicillin, was a break-through in medical science. It has proven to be effective in combating a variety of bacterial infections, including those that are penicillin-resistant. It was also the first drug used to treat tuberculosis successfully, although the high rate of mutation in the tuberculosis bacilli causes it to build up a resistance to the drug over time. Hinshaw and his collaborator, William H. Feldman, were nominated for the Nobel Prize in Medicine in 1952, but lost out to their colleague, Selman A. Waksman, who first extracted streptomycin in the laboratory. Hinshaw subsequently had a long and distinguished career in medical research, private practice, teaching, and writing.

Hinshaw was the third of six children born to Milas Clark Hinshaw (1873-1955) and Ida Letitia Bushong Hinshaw (1881-1942). He attended Greenleaf Academy in Idaho, and then took his B.S. degree from the College of Idaho in 1923. While at the college, he met Dorothy Youmans (1902-1994) whom he married on August 6, 1924. The Hinshaws had four children; his two sons followed him into medical careers, while one daughter became a zoologist and author, and the other an educator.

After spending a year in advanced studies at the University of Pittsburgh, Hinshaw took an M.S. degree at the University of California, Berkeley in 1926, and completed his Ph.D. at the same institution the following year. From 1927-1931, he taught Parasitology and Bacteriology at the American University in Beirut, Lebanon. Returning to the United States, Hinshaw earned his medical degree at the University of Pennsylvania in 1933. He was subsequently recruited to work at the Mayo Clinic in Rochester, Minnesota, where he developed his interest in diseases of the lung.

The collaboration of Hinshaw and William Feldman dates to 1938, when the two shared a ride home from a tuberculosis conference in St. Paul, Minnesota. After Selman Waksman and Albert Schatz created the first supply of streptomycin in April, 1944, Hinshaw and Feldman decided to try the drug's efficacy in treating "the white plague" of tuberculosis. The first animal trials, conducted at Mayo with tuberculosis-infected guinea pigs, were amazingly successful and encouraged the researchers to expand experimental treatment to human subjects. Although the initial human trials recorded promising success, it subsequently became clear that the tuberculosis bacilli built up a resistance to the drug over time, and the drug was not the hoped for "miracle cure."

In spite of the fact that Hinshaw and his colleagues reported the negative aspects of streptomycin treatment in tuberculosis, the popular press reaction to the initial positive results was so strong that many people still believe that tuberculosis has been "cured." Many medical advances have been made in tuberculosis treatment, but it still kills almost three million people annually. It is a preventable disease that is most effectively treated in its early stages. Streptomycin continues to be used, in combination with other newer drugs, to treat tuberculosis, but there is still an on-going battle as the disease continues to develop drug-resistant strains.

Ironically, William Feldman actually contracted tuberculosis in 1948 as a result of his laboratory work with live tubercle bacilli. According to Hinshaw, this occurrence "threatened [Feldman's] life and ... interrupted the close collaboration which we had enjoyed during the previous ten years." Luckily, a combination drug therapy (including streptomycin and Promin, both of which Feldman helped to develop) enabled Feldman to recover. Hinshaw mused that "It must be a rare circumstance in medical history that a scientist is stricken as a result of his experiments and is also rescued by his own hand."

Following the heady days of early streptomycin research, Hinshaw moved his family to California, where he worked in internal medicine as a pulmonary specialist and served as Clinical Professor of Medicine, Head of the Division of Chest Diseases at Stanford Medical School from 1949-1959. In 1953, he went on a Rutgers-funded "World Tour" to Europe and Asia, where he lectured on treatment of tuberculosis as practiced in the US. In 1955, he was invited to attend the 5th Congreso Argentino de Tisiología, where he presented a paper on current trends in drug therapy for tuberculosis. In 1956, he co-authored the seminal textbook on pulmonary medicine, *Diseases of the Chest*, with L. Henry Garland, a work that went into four editions. At government invitation, he attended the Sixth All Union Congress on Tuberculosis held in Moscow in 1957 and presented a paper on tuberculosis treatment in the U.S. Hinshaw taught a course on Chest Disease in New Zealand in 1959. In that same year, he became Clinical Professor of Medicine at the University of California Medical School in San Francisco; he held this position actively for the next 20 years, and was named Emeritus Professor in 1979. An interesting early highlight of Hinshaw's career was the work he did with Charles Lindberg on experiments in high-altitude aviation medicine. In his later years, Hinshaw became an expert witness, testifying in numerous legal cases involving respiratory ailments, particularly asbestosis.

Hinshaw authored over 215 articles that appeared in medical and scientific journals. He was professionally active in a number of societies, including the American Thoracic Society, for which he served as president in 1948-1949. In 1990, he received the Mayo Foundation Distinguished Alumnus Award. He died peacefully at home on December 28, 2000 at the age of 98.

Scope & content

The H. Corwin Hinshaw Papers (1925-1993) contain correspondence, research notes, and manuscripts of published and unpublished works by Hinshaw and his colleagues, as well as published papers by Hinshaw and his colleagues, particularly William Feldman. Also included are several videotapes of expert witness testimony and an audiotape of reminiscences.

One of the strengths of this collection is that it not only gives a good picture of Hinshaw's career and contributions but also a sense of the scientific collaboration taking place both within the Mayo Clinic and between Mayo and other institutions. The research materials in Series II give a strong indication of the teamwork that was necessary to perform the various laboratory experiments and clinical trials that brought streptomycin into the modern medical pharmacopoeia. Particularly engaging is the obvious friendship between Hinshaw and Feldman, which reveals itself throughout much of the collection. There are also some hints at the controversy surrounding the 1952 Nobel Prize in Medicine and the debate about whose streptomycin work actually came first.

The collection covers much of Hinshaw's career, but is most particularly focused on the development of streptomycin and the treatment of tuberculosis. Hinshaw had an acute awareness of the historical significance of this particular aspect of his work, as is evidenced by the materials he chose to preserve and the many explanatory notes he left which interpret and underscore the significance of the materials. In the finding aid, items marked with an asterisk (*) indicate that they are annotated by Hinshaw (or in some cases, Feldman) and that these notes may be of particular interest to researchers.

The papers (7 boxes; 3.75 linear feet) are divided into five series:

Series I.	Correspondence, 1943-1993	(1 box; 0.5 linear feet)
Series II.	Streptomycin research, 1939-1954	(2 boxes; 1 linear foot)
Series III.	Printed materials, 1926-1990	(1.5 boxes; 0.75 linear feet)
Series IV.	Miscellaneous materials, 1925-1991	(1 box; 0.5 linear feet)
Series V.	Audiovisual materials, 1983-1994	(2 boxes; 0.5 linear feet)

Administrative Information

Publication Information

American Philosophical Society 2001

Restrictions

Restrictions on Use

Patients' names are strictly confidential and may not under any circumstance be cited or published.

Provenance

Acquisition Information

The Hinshaw Papers were donated to the APS Library by H. Corwin Hinshaw's daughter, Dorothy Hinshaw Patent, in 2000. The collection was referred to the APS courtesy of the Minnesota Historical Society.

Processing Information

Catalogued by Alison M. Lewis, 2001. Accession 2000-1077ms.

Related Materials

Related Material

Selman A. Waksman's papers are held at the American Jewish Archives in Cincinnati, Ohio.

Separated Material

Audiovisual materials have been placed in the Audiovisual Division as Rec. 271. Oversized materials from Series II are housed with Oversized materials.

Indexing Terms

Personal Name(s)

- Bridge, Ezra
- Brown, Henry Allen, 1921-
- Cairns, Hugh
- Carr, David T.
- Chain, Ernst, Sir, 1906-
- Doub, Leonard, 1913-
- Dubois, R
- Déries, G.
- Eaton, J. Lloyd
- Elias, William F.
- Farmer, Chester J.
- Feldman, Ruth
- Feldman, William Hugh, 1892-1974
- Figi, Frederick A.
- Graessle, Otto E.
- Heilman, Dorothy Henderson, 1905-
- Heilman, Fordyce Russell, 1905
- Herrell, Wallace Edgar, 1906-
- Hinshaw, Dorothy, 1902-1994
- Hobson, Lawrence Bennett, 1915-
- Hughes, Felix A.
- Lehmann, Jörgen
- Linz, R.
- Major, Randolph Thomas, 1901-
- Parsons, Harry G.
- Phillips, Samuel, 1908-
- Pozzi, Giuseppe
- Price, Alison H.
- Pyle, Marjorie M.
- Rosenow, Edward C. III
- Saya, Giovanna
- Stearns, William H.
- Waksman, Selman A., (Selman Abraham), 1888-1973
- Weinshilboum, Richard

Subject(s)

- Asbestosis
- Chemotherapy
- Chest Diseases

- Human Experimentation in Medicine
- Leprosy
- Medical Research Personnel
- Nobel Prizes
- Protozoology
- Streptomycin
- Tuberculosis

Series I. Correspondence

Collection Inventory

Series I. Correspondence	1943-1993	1 box, 0.5 lin. feet
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Incoming and outgoing manuscript and typescript letters, carbons, telegrams, and postcards generated throughout Hinshaw's career. Series I is arranged chronologically. The bulk of the correspondence is from Hinshaw's friend and early collaborator, William H. Feldman. The Feldman-Hinshaw correspondence falls into two distinct groupings - third-party letters concerning the early work on streptomycin from 1944, and a group of more personal letters dating from the mid-1960s to about the time of Feldman's death in 1973. There is also some personal correspondence from Feldman's wife, Ruth, from the period before Feldman's last illness and following his death. Additionally, there is correspondence concerning HCH's trip to the V Congreso Argentino de Tisiología in November, 1955 and his work with Dr. Marjorie Pyle on her book for tuberculosis patients (see Series IV for manuscript copy of *The Good Fight*). Of particular interest are the copy of the 12 July 1946 telegram that Hinshaw sent to his wife, proclaiming, "Undeniable Confirmation that Streptomycin is First Truly Effective Remedy Making This Historically Significant Date" and the 1 October 1991 letter to Dr. Richard Weinshilboum containing reminiscences of the early research and controversies in the development of streptomycin.

Correspondents in Series I include:

- ©arr, David Turner, 1914-
- ©hain, Ernst, 1906-1979
- ©oub, Leonard, 1913-
- Feldman, Ruth
- Feldman, William Hugh, 1892-1974
- Hinshaw, Dorothy, 1902-1994
- Hobson, Lawrence Bennett, 1915-
- ehmann, Jürgen
- Major, Randolph Thomas, 1901-
- Pyle, Marjorie M.
- Rosenow, Edward C. III
- Waksman, Selman Abraham, 1888-1973

Series I. Correspondence

Weinshilboum, Richard

Anonymous hate mail	1 December 1943	Box 1
Feldman, William Hugh, 1892-1974	18 September 1944	Box 1
Typescript of phone conversation		
Feldman, William Hugh, 1892-1974 to Waksman, S.A.	19 September 1944	Box 1
Major, Randolph Thomas, 1901- to Feldman, William H.	28 September 1944	Box 1
Feldman, William Hugh, 1892-1974 Waksman, S.A.	9 October 1944	Box 1
Feldman, William Hugh, 1892-1974 to Major, Randolph T.	10 October 1944	Box 1
Waksman, Selman A., (Selman Abraham), 1888-1973 to HCH	8 November 1944	Box 1
Hinshaw, H. Corwin, 1902-2000 to Hinshaw, Dorothy	12 June 1946	Box 1
Telegram - photocopy		
Pyle, Marjorie M. to HCH	19 December 1949	Box 1
See Series IV for copy of her manuscript.		
Pyle, Marjorie M. to HCH	20 March 1950	Box 1
Hinshaw, H. Corwin, 1902-2000 to Pyle, Marjorie M.	7 April 1950	Box 1

Series I. Correspondence

Pyle, Marjorie M. to HCH	21 May 1950	Box 1
Pyle, Marjorie M. to HCH	21 June 1950	Box 1
Chain, Ernst, Sir, 1906- to HCH	16 March 1953	Box 1
Waksman, Selman A., (Selman Abraham), 1888-1973 to HCH	5 May 1955	Box 1
Hobson, Lawrence B. to HCH	6 May 1955	Box 1
Hinshaw, H. Corwin, 1902-2000 to Waksman, Selman A.	16 May 1955	Box 1
Hinshaw, H. Corwin, 1902-2000 to Hobson, Lawrence B.	23 May 1955	Box 1
Puga, Carlos G. to HCH	May 1955	Box 1
In Spanish; English translation dated 1 August 1955		
Izquierdo, Juan A. to HCH	13 June 1955	Box 1
Hinshaw, H. Corwin, 1902-2000 to Hobson, Lawrence B.	24 June 1955	Box 1
Hinshaw, H. Corwin, 1902-2000 to Izquierdo, Juan A.	24 June 1955	Box 1
Izquierdo, Juan A. to HCH	21 July 1955	Box 1

Series I. Correspondence

Hinshaw, H. Corwin, 1902-2000 to Izquierdo, Juan A.	8 August 1955	Box 1
Hinshaw, H. Corwin, 1902-2000 to Puga, Carlos G.	22 August 1955	Box 1
Hobson, Lawrence B. to HCH	20 September 1955	Box 1
Hinshaw, H. Corwin, 1902-2000 to Hobson, Lawrence B.	29 September 1955	Box 1
Waksman, Selman A., (Selman Abraham), 1888-1973 to HCH	10 October 1955	Box 1
Hinshaw, H. Corwin, 1902-2000 to Waksman, Selman A.	17 October 1955	Box 1
Riggins, H. McLeod to HCH	3 November 1955	Box 1
Lozano to HCH Telegram	4 August 1956	Box 1
Feldman, William Hugh, 1892-1974 to HCH	8 August 1962	Box 1
Feldman, William Hugh, 1892-1974 to HCH	11 December 1964	Box 1
Feldman, William Hugh, 1892-1974 to HCH	12 December 1964	Box 1
Feldman, William Hugh, 1892-1974 to HCH	24 December 1964	Box 1

Series I. Correspondence

Feldman, William Hugh, 1892-1974 to HCH	29 December 1964	Box 1
Feldman, William Hugh, 1892-1974 to Birath, Gosta	5 January 1965	Box 1
Feldman, William Hugh, 1892-1974 to HCH	7 January 1965	Box 1
Lehmann, Jürgen to Carr, David T.	16 April 1965	Box 1
Carr, David T. to Feldman, William H.	22 April 1965	Box 1
Feldman, William Hugh, 1892-1974 to HCH	27 April 1965	Box 1
Feldman, William Hugh, 1892-1974 to HCH	17 November 1965	Box 1
Feldman, William Hugh, 1892-1974 to HCH	30 January 1966	Box 1
Feldman, William Hugh, 1892-1974 to HCH	7 February 1966	Box 1
Doub, Leonard, 1913- to Feldman, William H.	23 February 1966	Box 1
See Feldman to HCH, 23 March 1966		
Feldman, William Hugh, 1892-1974 to HCH	21 March 1966	Box 1
Feldman, William Hugh, 1892-1974 to HCH	23 March 1966	Box 1
See Doub to Feldman, 23 February 1966		

Series I. Correspondence

Lehmann, Jörgen to Feldman, William H.	29 March 1966	Box 1
Feldman, William Hugh, 1892-1974 to HCH	7 April 1966	Box 1
Feldman, William Hugh, 1892-1974 to HCH	13 April 1966	Box 1
Feldman, William Hugh, 1892-1974 to HCH	13 August 1966	Box 1
Feldman, William Hugh, 1892-1974 to HCH	8 November 1966	Box 1
Feldman, William Hugh, 1892-1974 to HCH	14 December 1966	Box 1
Hinshaw, H. Corwin, 1902-2000 to Cawood, Ivan	7 March 1967	Box 1
Hinshaw, Dorothy, 1902-1994 to Cawood, Ivan	19 March 1967	Box 1
Feldman, William Hugh, 1892-1974 to HCH	20 April 1967	Box 1
Hinshaw, H. Corwin, 1902-2000 to Feldman, William H.	19 May 1967	Box 1
Hinshaw, H. Corwin, 1902-2000 to Sharp, Elwood	19 May 1967	Box 1
Feldman, William Hugh, 1892-1974 to HCH	27 September 1967	Box 1
Hinshaw, H. Corwin, 1902-2000 to Feldman, William H. and Feldman, Ruth	4 October 1967	Box 1

Series I. Correspondence

Feldman, William Hugh, 1892-1974 to HCH	4 January 1968	Box 1
Feldman, William Hugh, 1892-1974 to HCH	10 January 1968	Box 1
Feldman, William Hugh, 1892-1974 to HCH	25 February 1968	Box 1
Hinshaw, H. Corwin, 1902-2000 to Carr, David	29 February 1968	Box 1
Hinshaw, H. Corwin, 1902-2000 to Feldman, William H.	29 February 1968	Box 1
Feldman, William Hugh, 1892-1974 to HCH	10 April 1968	Box 1
Feldman, William Hugh, 1892-1974 to HCH	14 May 1968	Box 1
Enclosed E.R. Long's article "Leprosy and Tuberculosis" see Series III		
Feldman, William Hugh, 1892-1974 to HCH	29 May 1968	Box 1
Feldman, William Hugh, 1892-1974 to HCH	15 July 1968	Box 1
Hinshaw, H. Corwin, 1902-2000 to Feldman, William H.	5 September 1968	Box 1
Feldman, William Hugh, 1892-1974 to HCH	8 October 1968	Box 1
Hinshaw, H. Corwin, 1902-2000 to Feldman, William H.	17 October 1968	Box 1
Feldman, William Hugh, 1892-1974	26 October 1968	Box 1

Series I. Correspondence

to HCH		
Feldman, William Hugh, 1892-1974 to HCH	29 October 1968	Box 1
Feldman, William Hugh, 1892-1974 to HCH	4 November 1968	Box 1
Feldman, William Hugh, 1892-1974 to HCH	21 December 1968	Box 1
Feldman, William Hugh, 1892-1974 to HCH	30 December 1968	Box 1
England, Mrs. B. to HCH (?)	10 August 1968	Box 1
Feldman, Ruth to Hinshaw, Dorothy	7 October 1972	Box 1
Feldman, Ruth to Hinshaw Dorothy and HCH	21 July [1973]	Box 1
Feldman, Ruth to Hinshaw, Dorothy and HCH	1 August 1973	Box 1
Taylor, W. Peck to HCH	5 October 1973	Box 1
Feldman, Ruth to Hinshaw, Dorothy and HCH	2 November 1973	Box 1
Feldman, Ruth to Hinshaw, Dorothy and HCH	17 February 1973	Box 1
Anderton, Karen L. to HCH	26 July 1984	Box 1
Rosenow, Edward C. III	4 October 1988	Box 1

Series I. Correspondence

 to HCH

Knox, Franklin G.

19 February 1990

Box 1

to HCH

Hinshaw, H. Corwin, 1902-2000

26 February 1990

Box 1

to Knox, Franklin G.

Rosenow, Edward C. III

26 February 1990

Box 1

to HCH

Hinshaw, H. Corwin, 1902-2000

1 October 1991

Box 1

to Weinshilboum, Richard

Coventry, Mark B.

23 March 1993

Box 1

to HCH

Includes 3 p. paper on "Tuberculosis of the Right Wrist"

Series II. Streptomycin Research**Series II. Streptomycin Research****1939-1945****2 boxes, 1
lin. foot**

Includes unpublished research reports, patient charts, committee minutes, notes, conference papers and minutes, etc. relating to the development of streptomycin. Series II is arranged chronologically. The bulk of the materials fall between the years of 1944 and 1946, and are the products of research conducted at the Mayo Clinic. This material represents the original research for the development of streptomycin as one of the first modern antibiotic agents. Sixteen clinical reports on streptomycin treatment in human subjects are housed separately with oversize materials.

Contributors in Series II include:

Bridge, Ezra

Brown, Henry Allen, 1921-

Cairns, Hugh

Feldman, William Hugh, 1892-1974

Heilman, Dorothy Henderson, 1905-

Heilman, Fordyce Russell, 1905

Herrell, Wallace Edgar, 1906-

Hughes, Felix A.

Phillips, Samuel, 1908-

Waksman, Selman Abraham, 1888-1973

Grasset, E. Excerpt from article	May 1939	Box 2
Feldman, William Hugh, 1892-1974 "Streptomycin: Preliminary In Vivo Test Against Mycobacterium Tuberculosis, Var. Hominis"	7 July 1944	Box 2
Hinshaw, H. Corwin, 1902-2000 "Streptothricin and Streptomycin"	15 July 1944	Box 2
Hinshaw, H. Corwin, 1902-2000 Tuberculosis treated with Streptomycin	October 1944 to June 1947	Box 2

Series II. Streptomycin Research

Mayo Clinic Research Group in Chemotherapy. Pharmacologic studies on streptomycin	December 1944 to April 1945	Box 2
Mayo Clinic Research Group in Chemotherapy. Streptomycin Treatment - Patient Records and Research Notes	1944-1945	Box 2
Mayo Clinic Research Group in Chemotherapy. Diasone Treatment	1944, 1946	Box 2
Mayo Clinic Research Group in Chemotherapy. Miscellaneous notes	1944, n.d.	Box 2
Mayo Clinic Research Group in Chemotherapy. Oral Administration of Streptomycin	14 February 1945	Box 2
Mayo Clinic Research Group in Chemotherapy. Streptomycin Conference - Chicago, IL	15 February 1945	Box 2
National Research Council (U.S.). Committee on Chemotherapeutics and Other Agents. Minutes	14 June 1945	Box 2
National Research Council (U.S.). Committee on Chemotherapeutics and Other Agents. Streptomycin Conference - Rahway, NJ	20 June 1945	Box 2
Hinshaw, H. Corwin, 1902-2000 Pharmacologic Studies - Discussion	20 June 1945	Box 2

Series II. Streptomycin Research

Hinshaw, H. Corwin, 1902-2000 Treatment of tuberculosis - Discussion	20 June 1945	Box 2
Hinshaw, H. Corwin, 1902-2000 "Streptomycin" II	20 September 1945	Box 2
Cairns, Hugh "Report of a trial of Streptomycin in Meningitis due to gram-negative organisms	1945?	Box 2
Colonial Hospital Records	1945	Box 2
Heilman, Fordyce Research notes	1945	Box 2
Heilman, Fordyce Streptomycin - Charts	1945	Box 2
Heilman, Fordyce "Streptomycin" I	1945?	Box 2
Waksman, Selman A., (Selman Abraham), 1888-1973 "Standardization of Streptomycin"	1945?	Box 2
Brown, Henry Allen, 1921- "Otological findings...on streptomycin therapy"	14 January 1946	Box 2
Brown, Henry Allen, 1921- Summary of Patients Treated with Streptomycin	30 January 1946	Box 2
Bridge, Ezra Bar Graffs (sic)	7 February 1946	Box 2

Series II. Streptomycin Research

National Research Council (U.S.). Committee on Chemotherapeutics and Other Agents. "Clinical Investigation of Streptomycin"	31 May 1946	Box 2
National Research Council (U.S.). Committee on Chemotherapeutics and Other Agents. Minutes	13 June 1946	Box 2
Streptomycin Committee Report for March 1 - August 31, 1946	11 September 1946	Box 2
Civilian Production Administration. "Streptomycin"	1 August 1946 1 September 1946	Box 2
Civilian Production Administration. "Streptomycin Sulfate Squibb"	1946?	Box 2
Hinshaw, H. Corwin, 1902-2000 "A Summary of the Present Status of Streptomycin in the Treatment of Tuberculosis"	[1947]	Box 2
Hughes, Felix A. "Streptomycin and Resection for Pulmonary Tuberculosis"	October 1948	Box 2
Veterans Administration Hospitals. "Protocols for the Treatment of Tuberculosis by Streptomycin"	October 1948	Box 2
Feldman, William Hugh, 1892-1974 "Remarks Introducing the Discussion of Paper by Dr. Marc Daniels"	July 1951	Box 2
Feldman, William Hugh, 1892-1974	1954	Box 2

Series II. Streptomycin Research

"Streptomycin: Historical Aspects of Its Development..."

Feldman, William Hugh, 1892-1974	n.d.	Box 2
Contemplated Streptomycin Studies in Tuberculosis Therapy		
Heilman, Fordyce	n.d.	Box 2
"Inhibition of the growth of various bacteria and fungi by streptomycin"		
Herrell, Wallace E.	n.d.	Box 2
"The Use of Fleming's Modification of the Wright Slide Cell Technic for Determining Streptomycin in Body Fluids"		
Hinshaw, H. Corwin, 1902-2000	n.d.	Box 2
"Human Pharmacology: Absorption and Excretion in Man"		
Hinshaw, H. Corwin, 1902-2000	n.d.	Box 2
"Tuberculosis"		
Mayo Laboratory and Research Committee.	n.d.	Box 2
Extract from Minutes		
Mayo Laboratory and Research Committee.	n.d.	Box 2
"Statement Concerning the Significance of the Contribution of William H. Feldman and H. Corwin Hinshaw to Chemotherapy in Tuberculosis"		
Mayo Laboratory and Research Committee.	n.d.	Box 2

Series II. Streptomycin Research

Streptomycin Research - Tables and Charts
(nineteen)

Reports on Streptomycin Treatment:.	1945-1946	Oversize
Patient One	1945	Oversize
Patient Two	1945	Oversize
Patient Three	1945	Oversize
Patient Four	1945	Oversize
Patient Five	1945	Oversize
Patient Six	1945	Oversize
Patient Seven	1945	Oversize
Patient Eight	1945	Oversize
Patient Nine	1945	Oversize
Patient Ten	1945	Oversize
Patient Eleven	1946	Oversize
Patient Twelve	1946	Oversize
Patient Thirteen	1946	Oversize
Patient Fourteen	1946	Oversize
Patient Fifteen	1946	Oversize
Patient Sixteen	1946	Oversize

Series III. Printed Materials

Series III. Printed Materials**1926-1990****1.5 boxes,
0.75 lin. feet**

Includes published articles from medical and scientific research journals, clippings from newspapers and popular periodicals, and pamphlets and information booklets produced by pharmaceutical companies or tuberculosis societies. Series III is arranged chronologically. The earliest articles reflect Hinshaw's work on protozoology, and there is one paper concerning his work on medical problems in high-altitude aviation. The bulk of the items, however, concern streptomycin and chemotherapy for tuberculosis.

Contributors in Series III include:

Birath, Gösta

Budgie, Elizabeth

Courmont, Paul

Feldman, William H[ugh], 1892-1974

Moses, Harold E.

Parr, Leland W.

Pfuetze, Karl H.

Schatz, Albert, 1920

Waksman, Selman Abraham, 1888-1973

Youmans, Guy Parry, 1908-

Hinshaw, H. Corwin, 1902-2000

1926

Box 3

Correlation of Protozoan Infections of
Human Mouth with Extent of Certain
Lesions in Pyorrhea Alveolaris

Hinshaw, H. Corwin, 1902-2000

1926

Box 3

On the Morphology and Mitosis of
Trichomonas Buccalis (Goodey) Kofoid

Hinshaw, H. Corwin, 1902-2000

1927

Box 3

Cultivation of Trichomonas Buccalis: A
Protozoan of the Human Mouth

Hinshaw, H. Corwin, 1902-2000

1928

Box 3

Series III. Printed Materials

Experimental Infection of Dogs with
Endamoeba Gingivalis and Trichomonas
Buccalis of Human Mouth

Diagnostic Standards and Classification of Tuberculosis	1940	Box 3
Therapeutics	1 February 1941	Box 3
HCH and Boothby, Walter M. Medical Problems in Aviation	2 May 1941	Box 3
Feldman, William Hugh, 1892-1974 Treatment of Experimental Tuberculosis	27 September 1941	Box 3
Moses, Harold E. Promin in the Treatment of Tuberculosis	June 1942	Box 3
Mann, Frank C. Chemotherapy in Tuberculosis - An Appraisal of Present Evidence and of Future Possibilities	December 1942	Box 3
Feldman, William Hugh, 1892-1974 Observations on the Use of Promin (Sodium P, P1-Diaminodiphenylsulfone-N, N1-Didextrose Sulfonate) in Clinical Tuberculosis: A Progress Report	1942	Box 3
Feldman, William Hugh, 1892-1974 Tuberculochemotherapy	April 1943	Box 3
Parr, Leland W. Factors in Resistance to Tuberculosis as Revealed by a Case-Finding Program	April 1943	Box 3
Robinson, Harry John	May 1943	Box 3

Series III. Printed Materials

Some Toxicological Bacteriological,
and Pharmacological Properties of
Antimicrobial Agents Produced by Soil
Micro-Organisms

New Sulphur Drug Aids in Tuberculosis	15 October 1943	Box 3
Use of New Tuberculosis Drug to Be Discussed at Seal Session	28 October 1943	Box 3
Mass Examination Plan Instead of Drugs Urged by Researcher to Fight Tuberculosis	October 1943	Box 3
Faget, G. H. et al. The Promin Treatment of Leprosy. A Progress Report	26 November 1943	Box 3
Moses, Harold E. The Effects on Experimental Tuberculosis of 4, 4'-Diaminodiphenylsulfone	March 1944	Box 3
Parr, Leland W. Aspects of Epidemiology of Tuberculosis	15 June 1944	Box 3
Feldman, William Hugh, 1892-1974 Chemotherapy of Clinical Tuberculosis with Promin P, P'-Diaminodiphenylsulfone-N, N'-Didextrose Sulfonate: A Second Progress Report	July 1944	Box 3
Budgie, Elizabeth Isolation of Antibiotic Substances from Soil Micro-Organisms, with Special Reference to Streptothricin and Streptomycin	15 November 1944	Box 3
Feldman, William Hugh, 1892-1974 Chemotherapy of Tuberculosis	1944	Box 3

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Smith, Dorothy G. Chemotherapeutic Properties of Streptomycin	1944	Box 3
Budgie, Elizabeth Streptomycin, a Substance Exhibiting Antibiotic Activity Against Gram-Positive and Gram-Negative Bacteria	1944	Box 3
Streptomycin Effective as Weapon Against Tuberculosis in Guinea Pigs	15 January 1945	Box 3
Promin in Leprosy	February 1945 July 1946	Box 3
Douglass, Ellwood State Urged to Unite Agencies for Stronger Fight Against Disease	3 May 1945	Box 3
Reimann, Hobart A. Streptomycin for Typhoid: A Pharmacologic Study	19 May 1945	Box 3
Penicillin's Sister	3 September 1945	Box 3
Feldman, William Hugh, 1892-1974 Streptomycin in Treatment of Clinical Tuberculosis: A Preliminary Report	5 September 1945	Box 3
Specialists Warn Public Drugs for T.B. Unproven	22 October 1945	Box 3
Feldman, William Hugh, 1892-1974 Chemotherapy in Tuberculosis	October 1945	Box 3
Waksman, Selman A., (Selman Abraham), 1888-1973 A Review...Streptomycin	November 1945	Box 3

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Streptomycin	4 February 1946	Box 3
Youmans, Guy P. Increase in Resistance of Tubercle Bacilli to Streptomycin: A Preliminary Report	20 March 1946	Box 3
Treatment of Tuberculosis of the Larynx with Streptomycin: Report of Case	March 1946	Box 3
Streptomycin	21 May 1946	Box 3
Tompsett, Ralph Relation of Dosage to Streptomycin Toxicity	22 May 1946	Box 3
Stafford, Jane Streptomycin may turn out to be....	24 June 1946	Box 3
*Case, Bill New Drug's Affect on TB Is Minimized	July 1946	Box 3
Promising Drug	10 September 1946	Box 3
Feldman, William Hugh, 1892-1974 The Chemotherapy of Tuberculosis	September 1946	Box 3
Streptomycin Valuable as Stopgap in TB Treatment	30 November 1946	Box 3
Pfuetze, Karl H. Streptomycin in Treatment of Clinical Tuberculosis	1946	Box 3
Pfuetze, Karl H. Treatment of Tuberculosis with Streptomycin	1946	Box 3
Morel, A.	8 February 1947	Box 3

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Action des substances antibiotiques sur le
bacille de Koch en cultures homogènes

The Story of Streptomycin	April 1947	Box 3
Gardère, Henri Action antibiotique de la pénicilline sur les cultures troubles homogènes du Bacille de Koch S.A., P.C.	April 1947	Box 3
Gratia, André "L'application de streptomycine en Belgique" and "Note préliminaire sur les observations recueillies au cours d'un essai de traitement de la méningite tuberculeuse par la streptomycine"	April 1947	Box 3
Hinshaw, H. Corwin, 1902-2000 The Antibacteria Approach to the Treatment of Tuberculosis	10 May 1947	Box 3
NAPT Bulletin	June 1947	Box 3
Gardère, Henri Conditions d'action de la pénicilline in vitro sur le Bacille de Koch	July 1947	Box 3
The College of Idaho Bulletin	October 1947	Box 3
Guggenheim, Albert Pulmonary Emphysema and Tuberculosis	November 1947	Box 3
Bellows, John G. Streptomycin in Ophthalmology	November 1947	Box 3
Smart, Reginald H. Recent Advances in Pulmonary Diseases	4 December 1947	Box 3

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Streptomycin in 1947	1947	Box 3
Drug Aiding Fight on Tuberculosis	June 1948	Box 3
Courmont, Paul Action de la Pénicilline sur le Bacille de Koch et sur la Tuberculose	August 1948	Box 3
Carpi, Umberto La terapia con streptomycina nella tubercolosi polmonare ed extra-polmonare	August 1948	Box 3
Amberson, J. Burns Streptomycin in the Treatment of Tuberculosis	4 September 1948	Box 3
Feldman, William Hugh, 1892-1974 Streptomycin: An Antibiotic Agent Effective Against Experimental and Clinical Tuberc.	October 1948	Box 3
Diehl, Harold S. et al. Prevention of Tuberculosis Among Students of Medicine	November 1948	Box 3
Howson, Carl R. Management of Idiopathic Pleural Effusion	November 1948	Box 3
Karlson, Alfred G. Dihydrostreptomycin: Its Effect on Experimental Tuberculosis	November 1948	Box 3
Hayes, Edward W. Rest in the Treatment of Tuberculosis	1948?	Box 3
Hinshaw, H. Corwin, 1902-2000 The Clinical Administration of Dihydrostreptomycin (sic) in Tuberculosis	1948?	Box 3

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Dihydrostreptomycin Squibb	April 1952	Box 3
Streptomycin Bibliography	August 1952	Box 3
TB Drugs - Premature	July 1954	Box 3
Hinshaw, H. Corwin, 1902-2000 Antimicrobial Therapy of Tuberculosis in 1952	May 1955	Box 3
Hinshaw, H. Corwin, 1902-2000 Historical Notes on Earliest Use of Streptomycin in Clinical Tuberculosis	28 May 1957	Box 3
Pfuetze, Karl H. The First Clinical Trial of Streptomycin in Human Tuberculosis	September 1958	Box 3
U.S.S.R. Invited Dr. H.C. Hinshaw to Conference	December 1958	Box 3
Hinshaw, H. Corwin, 1902-2000 Speculations on the Future treatment and Control of Tuberculosis	28 May 1960	Box 3
The Award of the Trudau medal for 1958	21 November 1960	Box 3
Council on Drugs - excerpt	October 1963	Box 3
Dr. Hallenbeck leaving Clinic	5 October 1963	Box 3
Feldman, William Hugh, 1892-1974 Tuberculosis	June 1964	Box 3
Heck, Walter E. Auditory Ototoxicity in Tuberculosis Patients Treated with Dihydrostreptomycin	October 1965	Box 3
Streptomycin 1944-1964	1967	Box 3

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Schatz, Albert Antibiotics and Dentistry - Part I	January 1968	Box 3
Kreyberg, Leiv Nonsmokers and the Geographic Pathology of Lung Cancer	11 May 1968	Box 3
Long, Esmond R., (Esmond Ray), 1890- Leprosy and Tuberculosis	1969	Box 3
Anspacher, Carolyn Grim Warning to City On Loss of TB Clinics	1969	Box 3
Birath, Gösta Introduction of Para-amino-salicylic Acid and Streptomycin in the Treatment of Tuberculosis	1969	Box 3
Feldman, William Hugh, 1892-1974 Tuberculosis Chemotherapy: Reminiscence of In Vivo Research	April 1982	Box 3
Hinshaw, H. Corwin, 1902-2000 Tuberculosis Chemotherapy: Reminiscences of Early Clinical Trials	10 December 1987	Box 3
Hinshaw, H. Corwin, 1902-2000 The Dawn of Chemotherapy of Tuberculosis	15 May 1989	Box 3
50 Years Ago (1937)	25 September 1989	Box 3
Murray, John F. The White Plague: Down and Out, or Up and Coming?	23 May 1990	Box 3
Severson, Harold	n.d.	Box 3

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 25th Anniversary of 1st Streptomycin Use
 on Humans Nears in Cannon Falls

Mayo Clinic Honors Dr. Corwin Hinshaw	n.d.	Box 3
Dr. Feldman is Honored	n.d.	Box 3
I never asked for this!	n.d.	Box 3
Keers, R.Y. Pulmonary Tuberculosis: A Journey down the Centuries - excerpts	n.d.	Box 3
Profile: Louis Levin, M.D.	n.d.	Box 3
Stocker, J.A. Are You Afraid of Tuberculosis?	n.d.	Box 3
Streptomycin Merck	n.d.	Box 3
Streptomycin Therapy	n.d.	Box 3
Streptomycin, which is derived from...		Box 3
Trimble, Harold Guyon The Patient Gets Up		Box 3

Series IV. Miscellaneous materials

Series IV. Miscellaneous materials	1925-1991	1 box, 0.5 lin. feet
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Materials in this series fall into four discreet groups. The first, "Autobiographical Notes," is made up of autobiographical writings by Hinshaw, most of which seem to be preparations for a memoir which was never completed. It is arranged alphabetically by subject. The second group, "Early Research," focuses on Hinshaw's early work in protozoology, including his Ph.D. thesis and associated research notes and writings. It is arranged alphabetically by title or subject. The third group, "Miscellaneous" contains miscellaneous notes and manuscripts. They are also arranged alphabetically by title or subject. "World Travel," the fourth group, contains copies of papers presented and other materials associated with his international travel for professional purposes: the 1953 "World Tour" to Europe and Asia, the 1955 trip to Argentina for the V Congreso Argentino de Tisiología, the 1957 trip to Moscow for the Sixth All Union Congress on Tuberculosis, and the 1959 short course on Chest Disease he taught in New Zealand. Although some of the material in this group does relate to tuberculosis and streptomycin, it is housed here rather than in Series II because it is informational and interpretive rather than original research. The material in "World Travel" is arranged chronologically. At the end of this series, there is the draft of Marjorie Pyle's book *The Good Fight*, arranged in chapter order.

Hinshaw, H. Corwin, 1902-2000 Autobiographical Notes - Biographical sketch	n.d.	Box 5
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Hinshaw, H. Corwin, 1902-2000 Autobiographical Notes - Contributions - Chapters in other volumes (bibliography)	n.d.	Box 5
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Hinshaw, H. Corwin, 1902-2000 Autobiographical Notes - CV	[1980s?]	Box 5
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Hinshaw, H. Corwin, 1902-2000 Autobiographical Notes - Forward	n.d.	Box 5
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Hinshaw, H. Corwin, 1902-2000 Autobiographical Notes - Garland, Henry L.	n.d.	Box 5
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Hinshaw, H. Corwin, 1902-2000	7 January 1991	Box 5
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Series IV. Miscellaneous materials

Autobiographical Notes - Jinnah

*HCH	26 August 1980	Box 5
Autobiographical Notes - Jinnah: "Lady Mountbatten - Nehru's Lover"		
Hinshaw, H. Corwin, 1902-2000	n.d.	Box 5
Autobiographical Notes - Lung Associations		
Hinshaw, H. Corwin, 1902-2000	n.d.	Box 5
Autobiographical Notes - Miscellaneous		
Hinshaw, H. Corwin, 1902-2000	n.d.	Box 5
Autobiographical Notes - Mudd, Stuart		
Hinshaw, H. Corwin, 1902-2000	n.d.	Box 5
Autobiographical Notes - "Soong Ching-ling dies..."		
Hinshaw, H. Corwin, 1902-2000	n.d.	Box 5
Autobiographical Notes - Tuberculosis		
Hinshaw, H. Corwin, 1902-2000	3 January 1991	Box 5
Autobiographical Notes - Waksman		
Hinshaw, H. Corwin, 1902-2000	n.d.	Box 5
Autobiographical Notes - Who's Who in America profile		
HCH Simonton, F. Vance	n.d.	Box 5
Early Research - The Amoeba of the Mouth in Relation to Incidence of Pyorrhea, Clinical Symptoms, Extent of Lesions, and Age of Patients		
Hinshaw, H. Corwin, 1902-2000	n.d.	Box 5
Early Research - Miscellaneous notes relating to dentistry/pyorrhea		

Series IV. Miscellaneous materials

Hinshaw, H. Corwin, 1902-2000	n.d.	Box 5
Early Research - Notes on Canine Research		
Early Research - Programme of the final Public Examination for the Degree of Doctor of Philosophy of Horton Corwin Hinshaw - University of California	20 April 1927	Box 5
Hinshaw, H. Corwin, 1902-2000	1925-1927	Box 5
Early Research - The Protozoa of the Human Mouth - Experimental Record		
Hinshaw, H. Corwin, 1902-2000	[1927]	Box 5
Early Research - The Protozoa of the Human Mouth - Ph.D. thesis (missing pages 5-56)		
Hinshaw, H. Corwin, 1902-2000	[1927?]	Box 5
Early Research - Protozoa plates		
Hinshaw, H. Corwin, 1902-2000	n.d.	Box 5
Early Research - Protozoology - Class notes		
Hinshaw, H. Corwin, 1902-2000	n.d.	Box 5
Early Research - Protozoology - Laboratory drawings		
Hinshaw, H. Corwin, 1902-2000	n.d.	Box 5
Early Research - Tentative Outline for Ph.D. thesis		
Kofoid, C.A. HCH	n.d.	Box 5
Early Research - Untitled [Paper on Gingivitis]		
Hinshaw, H. Corwin, 1902-2000		Box 5
Miscellaneous		

Series IV. Miscellaneous materials

Hinshaw, H. Corwin, 1902-2000 Miscellaneous - A Doctor Looks at the Pharmaceutical Industry	n.d.	Box 5
Miscellaneous - Mayo Foundation Distinguished Alumnus Award - Itinerary	12 April 1990	Box 5
*HCH Miscellaneous - Note about earliest Charts and Case Histories	21 November 1970	Box 5
*HCH Miscellaneous - Note concerning reprints	n.d.	Box 5
Hinshaw, H. Corwin, 1902-2000 Miscellaneous - The Physician as an Expert Witness in Legal Disputes Regarding Occupational Lung Disease	4 October 1973	Box 5
Hinshaw, H. Corwin, 1902-2000 Miscellaneous - Pilot's license	2 September 1947	Box 5
Hinshaw, H. Corwin, 1902-2000 Miscellaneous - Remarks on Presentation of the 1957 Medal of the American College of Chest Physicians to Dr. William Feldman	1957	Box 5
Hinshaw, H. Corwin, 1902-2000 World Travel - Present Day Trends in Antibacterial Drug Therapy of Tuberculosis - 1953 World Lecture Tour	1953	Box 5
Hinshaw, H. Corwin, 1902-2000 World Travel - Report of lecture Tour to European and Asiatic Countries - 1953 World Lecture Tour	1953	Box 5

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World Travel - Informal remarks/List of Participants - V Congreso Argentino de Tisiología	November 1955	Box 5
World Travel - Roundtable Discussion Questions - V Congreso Argentino de Tisiología	November 1955	Box 5
Hinshaw, H. Corwin, 1902-2000 World Travel - Specific Drug Therapy in Tuberculosis: An Analysis of Current Trends -- V Congreso Argentino de Tisiología	November 1955	Box 5
World Travel - Moscow Itinerary	[1957]	Box 5
Hinshaw, H. Corwin, 1902-2000 World Travel - Present Day Treatment of Tuberculosis in the U.S.A. - Sixth All Union Congress on Tuberculosis	June 1957	Box 5
World Travel - New Zealand Medical Registration	13 March 1959	Box 5
Hinshaw, H. Corwin, 1902-2000 World Travel - Course in Chest Disease	16-26 March 1959	Box 5
Pyle, Marjorie M.	[1950]	Box 5
The Good Fight - Contents, Chapter I	[1950]	Box 5
The Good Fight - Chapter II	[1950]	Box 5
The Good Fight - Chapter III	[1950]	Box 5
The Good Fight - Chapter IV	[1950]	Box 5
The Good Fight - Chapter V	[1950]	Box 5

Series IV. Miscellaneous materials

The Good Fight - Chapter VI	[1950]	Box 5
The Good Fight - Chapter VII	[1950]	Box 5
The Good Fight - Chapter VIII	[1950]	Box 5
The Good Fight - Chapter IX	[1950]	Box 5
The Good Fight - Chapter X	[1950]	Box 5
The Good Fight - Chapter XI	[1950]	Box 5
The Good Fight - Chapter XII	[1950]	Box 5
The Good Fight - Chapter XIII	[1950]	Box 5
The Good Fight - Chapter XIV	[1950]	Box 5
The Good Fight - Chapter XV	[1950]	Box 5
The Good Fight - Chapter XVI	[1950]	Box 5

Series V. Audiovisual materials

Series V. Audiovisual materials	1983-1994	2 boxes, 1 lin. foot	
<p>There are sixteen VHS videotapes in this series, most of them of Hinshaw testifying as an expert witness. Others are informational tapes dealing with tuberculosis, leprosy, or asbestos. There is also one ninety-minute cassette tape of reminiscences. This series is separated from the main collection and housed with the audiovisual materials. It is arranged chronologically.</p>			
Asbestos - NOVA Jedi	1 March 1983, 10 December 1983		othertype Rec. 271
San Diego Asbestos Litigation	3-4 December 1984	4 tapes	othertype Rec. 271
"Deposition of Dr. Hinshaw"			
Asbestos - CBS (2 in 1)	17 October 1985		othertype Rec. 271
HCH Deposition - Asbestos (Salt Lake City, 1985 Utah)		3 tapes	othertype Rec. 271
Dr. Henshaw (sic) Deposition (Knoxville, Tennessee)	10-12 July 1986	4 tapes	othertype Rec. 271
Leprosy	23 June 1987		othertype Rec. 271
MCH	4 July 1989		othertype Rec. 271
Tuberculosis: The Enduring Enemy - American Thoracic Society	23 May 1994		othertype Rec. 271
Audiotape to Dr. Ryan	n.d.		othertype Rec. 271