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Bibliography
INTRODUCTION

Title: The Ralph M. Waters Collection

Accessions: 1964.8.24.1
1967.5.31.2
1990.7.30.2
1995.9.25.1
1998.6.10.1
2001.7.17.1
2002.6.6.1
2002.11.4.2

Donors: Torsten Gordh, M. D.
Robert A. Strickland, M. D.
Ralph M. Waters, M. D.
Darwin Waters, M. D.
Bernard Wetchler, M. D.

Date Range: 1920s—1970s

Bulk Dates: 1940s

See Also: IL 1983.03.4

University of Wisconsin, Madison, University Archives, Series 12/4/3


Processed By: Judith A. Robins, C. A., Collections Supervisor
BIOGRAPHICAL SKETCH

Family

Ralph Milton Waters was born on October 9, 1883, in North Bloomfield, Trumbull County, Ohio. His parents were Darwin Whiting Waters and Janette Martha Waters (nee Scott.) His family moved to Ashtabula County, Ohio, in 1890 (RMW).

In 1912 he married Louise Diehl, of Cleveland, Ohio. They had four children: Elva Jane, born 1914, Barbara, born 1916, Darwin Diehl, born 1920, and John Calvin, born 1922.

Education

After graduating from Grand River Institute (a preparatory school) in 1901, Waters moved to Cleveland. He entered Adelbert College of Western Reserve University in 1903, and earned his BA in 1907. Shortly thereafter he entered the University’s medical school, earning his MD in 1912. [various jobs during schooling] (RMW)

He was a member of Phi Rho Sigma fraternity, Sigma Xi fraternity, Alpha Omega Alpha (society?), and a Mason (Scottish Rite.)

Practice

He began general practice “early in 1913” in Sioux City, Iowa. In the early years of his career, he was encouraged “by J. W. Shuman and others” to publish “a few medical papers” (RMW.) (Which was first?) He went on to publish over 100 articles in his lifetime, many of them co-written with his colleagues (RMW, WSJ.)

He attended his first anesthesia meeting in 1915 (IAA? AAA?) After this meeting, he spent “a profitable several weeks visit with Ira McKesson in Toledo, Ohio”. Dr. McKesson founded what was then the Toledo Technical Appliance Company, later the McKesson Appliance Company, and taught classes in the techniques of nitrous oxide-oxygen anesthesia using McKesson machines.

WWI  [mule skinner? RMW]

He remained in general practice until 1916. Thereafter, he limited his practice to anesthesia. He maintained a “downtown anesthesia clinic” in addition to his practice until 1923. In that year, he moved to Kansas City, Missouri, to take over a similar clinic there, originated by Dr. Morris Clark (RMW.)

University of Wisconsin

In the summer of 1926, Waters spent “three fruitful months” studying regional anesthesia at the Mayo Clinic, on the invitation of Dr. John S. Lundy. Then, in February 1927, he joined the medical faculty of the University of Wisconsin. His original charge was to direct “clinical administration of anesthetics at the University Hospital (then 250 beds.)” (RMW.) His work soon grew to include joint research projects, and clinical teaching (date?) of graduate students.
The first class that he taught to medical students was originally proposed as “one hour in the third year curriculum”, on artificial respiration. He expanded this to three hours, most of which was devoted to inhalation anesthesia. This gradually developed into “a full half-year course of 16 two-hour periods of lecture-demonstrations in the third year.... together with the opportunity of utilizing the dogs in the second year ‘surgical technic’ course.” (RMW) (NB: For related information about this animal experimentation laboratory, see the Mina Notebooks in the University of Wisconsin Archives.)

While at the University of Wisconsin, Waters conducted studies of depressant drugs. His collection of reprints on the subject of barbiturates and other agents is extensive.

In 1932, Waters introduced the clinical use of the new inhalation agent, cyclopropane. This had been discovered by Freund in 1882, and its use as an anesthetic was investigated by Lucas and Henderson in 1929. Waters continued to study and write about cyclopropane throughout his career.

In large part, the development of academic anesthesia training in the United States is directly due to the work of Dr. Waters. He was revered by many of his residents, who referred to him as “the Master” and “the Chief” throughout his lifetime. A group of them began to call themselves “The Aqualumni” (Date first used?) Dr. and Mrs. Waters hosted annual reunions of this group at their home, from 1937 through 1947.

Aqualumni Newsletter

Many of the Aqualumni became eminent in this field, becoming founders and Presidents of professional associations. Several of them founded new academic departments in other medical schools, as did many of their own trainees. An ink drawing of “The Aqualumni Family Tree”, created by Dr. and Mrs. Lucien Morris in (Date?), traces the lineage of these departments back to Dr. Waters. Among the most notable Aqualumni are F. A. Duncan Alexander, Virginia Apgar, Stuart C. Cullen, Robert D. Dripps, Merel Harmel, Austin Lamont, O. Sidney Orth, Perry P. Volpitto, and Emory A. Rovenstine.

Association of University Anesthesiologists was founded in 1953 by Lamont ....

Inventions

During his years in Sioux City, he experimented with carbon dioxide filtration, and developed the Waters To-and-Fro Carbon Dioxide Absorption Canister. He read a paper summarizing this work before the National Anesthesia Research Society in October, 1923. This paper was published in the February, 1924 issue of the journal “Anesthesia and Analgesia”. The exact date of the invention of the Canister is uncertain. In his 1923 paper, Waters stated that he had then spent “two and a half years of effort” on the project (A&A.) In another paper on the same subject, read before the Eastern Society of Anesthetists in October, 1925, he stated that he had then “an experience of over four years with carbon dioxide filtration....” (EAS).
The Waters Canister was commercially produced by The Foregger Company. It appeared in Foregger’s 1930 catalog, but may have been introduced before that date. (NB: The only earlier catalog in the WLM collection is dated 1926; it does not include the Canister.) Waters corresponded frequently with the company’s founder, Dr. Richard von Foregger, about carbon dioxide filtration and other matters (UW.) (NB: The WLM collection includes carbon dioxide filters made by The Foregger Company in several different designs; some of these may be prototypes.) Waters’ interest in carbon dioxide was to continue throughout his career.

Waters Airway 1930

Guedel & Waters Cuff 1928
Waters Catheter 1931
Gale & Waters Tube 1932
History of endotracheal tubes 1933

Associates

The collection contains relatively little of Dr. Water's correspondence. This is most regrettable, as his relationships with friends, colleagues and manufacturers was an important part of his influence over the profession as a whole. He corresponded frequently and at length with a great many people, and infrequently with a great many more. Much of this voluminous and rich correspondence is preserved in the University of Wisconsin Archives, in Madison, Wisconsin.

He maintained an ongoing correspondence was Dr. Richard von Foregger, head of the Foregger Company. They discussed the mechanics of Dr. Waters' own inventions, as well as those of others. The WLM has photocopies of most of this correspondence.

Some of the most personally revealing letters are those he exchanged with his colleague and fellow inventor, Dr. Arthur E. Guedel. In these letters Waters expresses opinions freely, and engages in banter with his friend, who called him "Dogfish". Dr. Guedel's original correspondence is preserved at the Arthur E. Guedel Memorial Anesthesia Center, in San Francisco. Thanks to the generosity of the Center, the WLM also has photocopies of Dr. Guedel's correspondence.

The collection contains a group of photocopied letters (sent by?) Dr. Waters (to) members of his immediate family. These letters were lent to the WLM for copying by his son, Dr. Darwin Waters. The collection also contains a small group of letters that Waters received from his former students. More correspondence with his trainees can be found in the University of Wisconsin Archives.
Dr. Waters was a leader in several important medical societies. But the collection contains virtually nothing about his involvement in professional organizations. This is another regrettable lack.

In 1929, Dr. John Lundy founded the Anesthetists Travel Club (ATC), and Waters became a charter member. This was a small group of leaders whose aim was to promote continuing education for practitioners in cities around the country. As the American Society of Anesthesiologists evolved into a national association, it took on the task of providing continuing education courses to all of its members. Therefore, in 1952, the ATC changed its focus, and became the Academy of Anesthesiology.

Waters served as President of the American Society of Anesthesiologists in 1945. He was immediately followed in this office by Dr. Lundy. In his memoirs, Lundy stated that he pressed Waters to accept the first chairmanship of the new A. M. A. Section on Anesthesia in 1941. (Lundy)

A large collection of Dr. Lundy's papers is preserved in the Mayo Clinic Archives, in Rochester, Minnesota. In addition to the collection at the Mayo Clinic, the WLM owns another portion of Lundy's papers. The WLM also owns the Archives of the Anesthetists Travel Club. But neither of the latter two collections contains materials relating to Waters.

Honors

Dr. Waters received numerous honors, both during and after his years at the University of Wisconsin.

He received the Henry Hill Hickman medal 1944 from the Associated Anaesthetists of Great Britain and Ireland. That medal is part of this collection.

In 1946 he received the highest honor bestowed by the ASA, the Distinguished Service Award, given “for meritorious service and achievement” (ASA.) It is regrettable that the collection contains no materials relating to his membership in the ASA.

Order of Vasa 1947

Northwestern University 1951

Western Reserve University 1957

The University of Wisconsin Department of Anesthesiology held the first Waters Symposium June X-X, 2003.

WWII
Retirement

Waters retired on December 31, 1948, at the age of 65. He retained an active interest in the field, and in its professional organizations.

WHO

Publications

Florida

visits

WFSA 1964   (Box FF )

Mrs. Waters died in 1975.

Dr. Ralph Waters died at the age of 96 on December 19, 1979.
SCOPE AND CONTENT NOTE

The bulk of this collection consists of reprints and other ephemera, such as news clippings and product literature. There are also a few typescripts of reports, articles and presentations; some if not all of these of were copied from publications. There is a small amount of correspondence and other personal papers.

In addition, there is one box of photocopies made from papers owned by Waters' descendants, a scrapbook, and several items of memorabilia, including an early model of the Waters To-and-Fro Canister, and the Henry Hill Hickman Medal awarded to Dr. Waters in 1944 by the Royal Society of Medicine.

Researchers should note that there are numerous important lacunae in this collection. It contains no primary materials relating to Dr. Waters’ research on any subject. It contains no mention of the Waters Airway, and virtually nothing on the subject of cyclopropane. There is nothing at all about his military service in WWI, nor his work for the Research Council (dates?) There are several letters from his colleagues and former students during the years 1945 and 1946, but very little other correspondence (an exception to this is the series of family letters dating (?) The collection contains no primary materials relating to his participation in the American Society of Anesthesiologists or other professional societies.

An important, related collection is the archival records of the Department of Anesthesiology in the University Archives of the University of Wisconsin, Madison, WI. In that collection, the records of Dr. Waters’ tenure constitute Series # 12/4/3. The WLM collection contains photocopies made from a few, selected files in that Series.

The entire Reprints Group in this collection was transferred from the UW Department of Anesthesiology to WLM (date??) by Dr. Betty Bamforth (title??). And a scrapbook of the Aqualumni reunions was transferred on permanent loan from the UW Department of Anesthesiology to the WLM; this item is accession number IL 1983.03.4.
GROUPS AND SERIES

Personal Papers Group

Biographical Series
   Honors Subseries

University of Wisconsin Series  (See also: Reprints on teaching)
   Aqualumni Subseries   (See also: Correspondence Series, and IL 1983.03.4)

Correspondence Series
   Family Correspondence Subseries

Photographs Series

Writings Series
   Lecture Notes Subseries
   Reprints Subseries

The Writings Series includes numerous index cards on which Dr. Waters wrote or typed his notes for various lectures. Several of these are identified (ex: “Talk to Sigma Sigma. Tuesday, April 13, 1943”). Many of the card sets are incomplete; others may have become mingled.

Note that the Reprints Subseries in this Group consists of articles authored or co-authored by Dr. Waters. In contrast, the Reprints Group contains reprints and other ephemera by numerous authors, which he collected.

Memorabilia Group

See Container List.

Artifacts

Canisters
Masks
Hickman Medal
Snow Diploma
Collected Reprints Group

The Collected Reprints Group consists of reprints and other ephemera collected by Dr. Waters for his own use. Many were signed or inscribed to him by the authors. In contrast, the Reprints Subseries in the Personal Papers Group consists only of items authored or co-authored by him.

Reprints predominate in this Group, but it includes many cuttings and much product literature. A few folders also contain typed and/or holograph items. When received, these materials were organized in folders, arranged alphabetically by subject. With only a few exceptions, this group is arranged in the same order in which it was found, and uses the original folder titles. (Please note that these are not in accordance with MESH.)

Dr. Waters often wrote, on the cover or first page of these items, the name of the subject under which the item should be filed. Many were directed to a file on a tangential subject (for example, an item about blood transfusion might be filed under shock.) But some items were found to be clearly out of place; these have been filed under the most logical subject. Approximately one linear foot of material was found filed under the heading “Miscellaneous”; during processing, these items were re-filed under the most logical subject. Those reprints currently filed under “Miscellaneous” are such as defy a single classification.

Some topics are addressed under multiple subject headings. Researchers seeking information about specific anesthetic agents should look both under the name of the agent, and under the various topics relevant to the use of that agent.

Some important topics were not originally represented by individual folders. For example, there were no folders found for the topic: cyclopropane. But a few items about cyclopropane were found in the collection, and a new folder was created for this subject. There were no original folders for topics beginning with the letters F, J, U, V, X, Y or Z. Folder titles in [brackets] were assigned by the processor.
CONTAINER LIST

Personal Papers Group

BOX 1

FF 1 Finding aid

Biographical Series

FF 2 Biographical materials

FF Sioux City, Iowa (Various receipts, tax records, dated 1919—1926) (See also: FF Legal size)

FF Kansas City, Missouri (Various receipts, tax records, dated 1925—1926)

FF Certificates

FF Application to the Board of Medical Examiners of the State of Florida (1939)

FF Professional meetings (See also: BOX FF Legal Size and BOX FF Miscellaneous)

FF Miscellaneous

Honors Series (See also: Box FF Legal, and Memorabilia)

FF Henry Hill Hickman Medal (1944)

FF Testimonial (1944)

FF Order of Vasa (1947)

FF Northwestern University (1951)

FF Western Reserve University (1957)

FF Western Reserve University, presentation copy of “Selected Papers” (1957)

[The copy presented to Dr. Waters included many letters of congratulation, which were attached to blank leaves at the back of the volume by means of rubber cement. The adhesive has dried, and most of these letters have fallen loose. All of them are badly stained by the adhesive. The volume was subsequently immersed in water, and became moldy. This has been treated. Due to its poor condition, the volume was disbound. Only the cover and the letters have been saved. Other copies in good condition are available in the Library.]
BOX 1, Continued

FF Academy of Anesthesia (1976)

University of Wisconsin Series

FF Miscellaneous

FF ?

FF Dunked Dog Experiment

FF Clinical Records (1947) (See also: Box FF legal)

FF Medical course lectures (1930)

FF Medical course lectures (1931)

FF Medical course lectures (1933—1934)

FF Medical course lectures (1935)

FF Medical course lectures (1936)

FF "Postoperative Nausea and Vomiting: A Review of Recent Literature", by George Harry Hess, A Thesis Submitted for the Degree of Doctor of Medicine, University of Wisconsin, 1936. [Carbon copy of typescript.]

FF Medical course lectures (1937)

FF Medical course lectures (1938)

FF Medical course lectures (1939)

FF Medical course lectures (1940)

FF "The Effect of Vinethene, Cyclopropane and Ether on the Kidney As Measured by the Urea Clearance Test", by Richard Earl Marcus, A Thesis Submitted for the Degree of Doctor of Medicine, University of Wisconsin, 1940. [2 copies, typescript]

FF “Anesthesia in England 1847—1850”, by John Twohig, A Thesis Submitted for the Degree of Doctor of Medicine, University of Wisconsin, 1940. [Typescript]

FF Medical course handouts (1941)

FF Medical course lecture, handout, final exam (1942)

FF Medical course lectures (1943)
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Aqualumni Series  (See also: Correspondence)

FF  List of residents  (ND)

FF  Aqualumni Newsletter  (Volume 3, No. 2 and No. 3, August and December, 1939)

FF  Aqualumni Reunions  (See also: IL 1983.03.4)

FF  F. A. D. Alexander

FF  Virginia Apgar

FF  Howard Auscherman

FF  Simpson S. Burke  (See also: Box FF)

FF  William H. Cassels  (“Staff Meeting Material”)

FF  Ervin N. Chapman

FF  Stuart C. Cullen

FF  George H. Finer

FF  Albert E. Flagg

FF  Noel Gillespie

FF  Torsten Gordh

FF  Merel Harmel

FF  Malcolm Hawk

FF  Robert Hingson

FF  Lucien E. Morris

FF  William B. Neff

FF  Bryce Ozanne

FF  M. H. Seevers

FF  Karl Siebecker

FF  Virgil K. Stoelting
Aqualumni Series, Continued

FF  Ivan Taylor
FF  Clayton P. Wangeman  (Statistical Reports of Barnes General Hospital, 1941—1944)
FF  Paul Yordy  (See also: Box FF)

Correspondence Series

FF  Wartime correspondence     (1944—1946)
FF  Postgraduate Course in Anesthesia     (1945—1946)
FF  Miscellaneous correspondence
FF  Correspondence with Dennis E. Jackson
FF  Correspondence with Chauncey Leake
FF  Correspondence with Francis McMechan

(See also: Aqualumni Series in Box #, Family Correspondence in Box #, and Copies of correspondence in other collections in Box #.)
Writings Series (See also: Box FF)

FF Notebook

FF Notes on the history of anesthesia (Contains some letters)

FF Miscellaneous notes

FF Outline

(19 holograph cards. Appears to be the outline for a publication, ca. 1933.)

FF Lecture notes 1935


“Nov. ’35.” (2 holograph cards)

FF Lecture notes 1938


FF Lecture notes 1939

“Carbon Dioxide. Read: Milwaukee 5-24-39.” (3 typed cards)

“Explosion notes written May ’39 but not delivered as discussion of Woodbridge et. al. St. Louis.” (5 typed cards and cover sheet)

“Relation of Pain Relief to Pulmonary Mortality. Canton – December 14, 1939.” (5 typed cards)

FF Lecture notes 1940

“Clinical Problems in Anesthesia. (Generalities to introduce talks by Meek and Seevers at meeting of Sigma Xi, Monday evening, Jan. 15, 1940.)” (11 typed cards)

“Dr. Rovenstine’s Staff. 2/12/40. What Is An Anesthetist and Why.” (6 typed cards)

“N. Y. Obstet. Soc. Feb 13, 1940. 45 min.” (4 typed and holograph cards)


“Relation of Anesthesia to Infant Morbidity. Cambridge 11/14/40. 9:30 A.M.”
(6 typed cards)

FF Lecture notes 1941

“Racine, Wis. Jan. 15, 1941 (Dr. Kurten).” (7 typed cards)

“Dr. Cole’s Class in Sociology. Dec. 18, 1941.” (2 typed cards)

“The Service of Anesthesiology in the Modern Hospital. (Detroit, 5/12/41).”
(1 typed card)

“9-2-41. Service of Anesthesiology in Modern Hospital in O.R.” (12 typed cards)

“Sept. 2, 1941. Service of Anesthesiology in the Modern Hospital In O. R.”
(6 typed sheets)

“Sept. 3, 1941. Service of Anesthesiology in a Modern Hospital Outside the O. R.”
(10 typed sheets)

“Sept. 3, 1941. Service of Anesthesiology in a Modern Hospital Outside the O. R.”
(4 typed pages)

FF Lecture notes 1942

(2 holograph cards and 1 sheet)

FF Lecture notes 1943

Great Lakes.” (5 typed and holograph cards)

“3rd Dist. Nurses. ‘Nursing Care of Patients After Op.’ 1/19/43.” (1 holograph card)

“Madison, Wis. West End Club. 3/16/43. Sleep – Natural and Artificial.”
(4 typed and holograph cards.)

“Talk to Sigma Sigma. Tuesday, April 13, 1943.” (4 typed cards)

FF Lecture notes 1945

“Lecture to 3rd yr. stud. May 1945.” (2 typed and holograph cards)

FF Lecture notes ND
“Lecture Entitled ‘Pain Relief’ By Doctor Fantus of Chicago. An excellent lecture for a mixed group.” (3 typed cards)

“Inhalation Anesthetic Agents. Phila.” (3 typed cards)

“Conn. Congress.” (10 typed and holograph cards)
First line: “Pleasure & honor to visit this U. town & meet Connecticut Doctors.”

[Untitled lecture to nurses or nursing students.] (5 typed cards)
First line: “During this little jaunt into the past....”

“Barbour’s Seminar. CO2-O2 Anesthesia.” (7 typed and holograph cards)

[Untitled after-dinner speech.] (7 typed cards)
First line: “Preceptors put on party for us.”

FF Lecture notes ND

“Oklahoma City, Nov. 4. Oxygen Therapy.” (4 typed cards)
First line: “Anaximenes of Miletus, born....”

“Nov. 4. evening. Progress in Anesthesia.” (2 typed cards)

“Staff. Jan. [27? 37?]”. (7 typed and holograph cards)
First line: “Old Anaxamenes, the Egyptian....”

[Untitled lecture.] (8 typed cards)
First line: “Anaximenes 6th Century B.C. ....”

“O2 Therapy Technic.” (4 holograph cards)

FF Lecture notes ND

[Untitled lecture.] (6 holograph cards)
First line: “Gen. 2, 21 ‘And the L. G. caused....”

“Local.” (2 typed cards)


“Specialism. The Watchword of the Time.” (6 typed and holograph cards)

[Untitled lecture.] (3 typed and holograph cards)
First line: “Cinema.”

“Properties Anes. Drugs.” (3 holograph cards)
“Physical State.” (13 typed cards.)

“Problem of Relief of Pain.” (4 typed cards)

“Morbidity Accompanying the Therapy of Pain. The Cost of Comfort.”
(15 typed and holograph cards)

“Notes on Spinal Anesthesia. By Ralph M. Waters.” (5 typed cards)

[Untitled lecture.] (7 typed cards)
First line: “Apt to forget that ordinary....”

“Pain Relieving Drugs.” (2 typed cards)

“Absorption of Carbon Dioxide from Anesthetic Atmospheres.” (Typescript, ND)

“Chloroform: A Study After 100 Years.”
(Typed MS of the book of this title, published in 1951. Found in an envelope sent by Dr. Gillespie to Dr. Waters, postmarked Feb. 8, 1950.)

(Typescript, ND)

“A Discussion of One Hundred Years of Chloroform. By Ralph M. Waters, Paul M. Wood.” (Typescript and holograph, ND)

“Dr. Philip Fox.”

“The Historical Development of the Specialty of Anesthesia.”
(Notes and typescripts, ND)

“One Hundred Years of Chloroform.” (Typescript, ND)

“Shades of Our Predecessors” (See also BOX FF)
(35-page holograph MS. This may be the MS of Waters’ keynote speech given at the 3rd World Congress of Anaesthesiologists, Sao Paulo, Brazil, 1964.)
BOX

Writings Series: Reprints Subseries

FF  Processor’s list of Waters’ reprints in this collection
FF  Reprints of Waters’ articles, A—B
FF  Reprints of Waters’ articles, C
FF  Reprints of Waters’ articles, D—J
FF  Reprints of Waters’ articles, M—O
FF  Reprints of Waters’ articles, P—S
FF  Reprints of Waters’ articles, T—W

Photographs Series
Family correspondence

This series consists of photocopies, made with the permission of Dr. Darwin Waters.

(See also: Aqualumni in Box #, Correspondence in Box #, and Copies of correspondence in other collections in Box #.)
BOX

Copies of Correspondence in other Collections

(See also: Correspondence in Box #, and Family Correspondence in Box #)

Copied from the Mayo Clinic Archives

FF Correspondence with John Lundy (1924—1928)

Copied from the University of Wisconsin Archives

FF Correspondence with Donald Brace
FF Correspondence to Karl Connell (1932—1940)
FF Correspondence from Karl Connell (1932—1940)
FF Correspondence with Foregger (1927)
FF Correspondence with Foregger (1928)
FF Correspondence with Foregger (1929)
FF Correspondence with Foregger (1930)
FF Correspondence with Foregger (1931)
FF Correspondence to Foregger (1932—1934)
FF Correspondence from Foregger (1932—1934)
FF Correspondence to Foregger (1935—1936)
FF Correspondence from Foregger (1935—1936)
FF Correspondence to Foregger (1937—1939)
FF Correspondence from Foregger (1937—1939)
FF Correspondence to Foregger (1939—1943)
FF Correspondence with W. L. Garth (1939—1940)
FF Correspondence with Arthur E. Guedel (1933)
FF Correspondence with James T. Gwathmey (1927—1940)
| FF | Correspondence with Vilyein Henderson | (1930—1941) |
| FF | Correspondence with Kansas City Oxygen | (1927) |
| FF | Correspondence with Ivan Taylor | (1935—1942) |
| FF | Correspondence with Perry Volpitto | (1928—1948) |
Collected Reprints Group

BOX

Reprints: A

FF [A – Miscellaneous]
FF Accidents (See also: Explosions)
FF Acid Base Balance
FF Adrenals
FF Air Conditioning (See also: Refrigeration and BOX FF Legal)
FF Airways
FF Alcohol (See also: Legal size box)
FF Alkaform
FF [American Society for Regional Anesthesia] (Formerly filed under “Block”)
FF Analeptics
FF Analgesia
BOX

Reprints: Anesthesia, Charts

FF Anesthesia, Charts (See also: Statistics)
FF [Anesthesia, Charts – Mayo Clinic]
FF Anesthesia, Chemistry of
FF Anesthesia, Costs
FF Anesthesia, Effects of
FF Anesthesia, Effects of
FF Anesthesia, Electrical (See also: Explosions)
BOX

Reprints: Anesthesia, General 1

FF Anesthesia, Experiments
FF Anesthesia, General
FF Anesthesia, General
FF Anesthesia, General
FF Anesthesia, General
FF Anesthesia, General
FF Anesthesia, General

BOX

Reprints: Anesthesia, General 2

FF Anesthesia, General
FF Anesthesia, General
FF [Anesthesia, General: Paper by Wesley Bourne]
   "Interdependence of Function in Anesthesia" Typescript (N.D.)
   "Interdependence of Function in Anesthesia" Reprint (1942)
FF Anesthesia, Miscellaneous
FF Anesthesia, Organization (Contains letters)
FF Anesthesia, Organization
FF Anesthesia, Organization
   (Note: The files on "Organization" relate to the organization of the specialty, and to the
   organizing of anesthesia departments, not to individual professional societies.)
FF Anesthesia, Pharmacology of (Contains letter) (See also: Pharmacology)
FF Anesthesia, Reactions
BOX

Reprints: Anesthesia, Theories

FF Anesthesia, Theories
FF Anesthetist
FF Antidotes (See also: Poisoning)
FF Apnea
FF Apparatus, Blood Pressure (See also: Blood Pressure; Respiration)
FF Apparatus, Ether (See also: Ether)
FF Apparatus, Gas Machines (See also Legal size box)
FF Apparatus, General (Contains letter)
FF Apparatus, Head Rest
FF [Apparatus, Inhalation]
FF Apparatus, Intravenous
FF Apparatus, Laboratory (Contains letter)
FF Apparatus, Rubber
FF Architecture, Operating Room
FF Arrhythmia
FF Asthma
FF Atmospheric Conditions (See also: Humidity)
BOX

Reprints: Aviation

FF Aviation (See also Legal size box)
FF Barbiturates (See also: Box FF legal)
FF Barbiturates
FF Barbiturates (Contains letter)
FF Barbiturates
FF Barbiturates
FF Barbiturates
FF [Barbiturates, Specific – Miscellaneous]
FF [Barbiturates – Evipal ]
FF [Barbiturates – Evipan ]

BOX

Reprints: Barbiturates

FF [Barbiturates – Pentothal Sodium]
FF [Barbiturates – Pernocton] (Contains letter)
FF [Barbiturates – Sodium Amytal]
FF Barbiturates – Addiction
FF Barbiturates, Poisoning (See also: Antidotes; Poisoning) (Includes accidental and deliberate overdoses)
FF [Bile Duct]
FF [Bladder]
FF Block, Anesthetic and Therapeutic
FF Block, Anesthetic and Therapeutic
BOX

Reprints: Block

FF  Block, Anesthetic and Therapeutic
FF  Block, Anesthetic and Therapeutic
FF  Block, Anesthetic and Therapeutic
FF  Blood, Chemistry of
FF  Blood, Coagulation of
FF  Blood, General
FF  Blood, General
FF  Blood, Oxygen
FF  Blood Pressure  (German language reprints)
BOX

Reprints: Blood Pressure

FF Blood Pressure
FF Blood Pressure
FF Blood Transfusion
FF [Bone]
FF Book Reviews
FF Brain
FF Burns
FF [C – Miscellaneous]
FF Calcium
FF [Cancer]
BOX

Reprints: Carbon Dioxide

FF Carbon Dioxide
FF Carbon Dioxide, Absorption
FF Carbon Monoxide Poisoning
FF Carotid
FF Catecholamines
FF Chest
FF Chloroform
FF Choice of Anesthetics
FF [Choice of Anesthetics: Paper by Arthur Guedel]
   "Evaluation of Common Anesthetic Methods" (N. D.)
FF Ciliary
BOX

Reprints: Circulatory

FF Circulatory, General (Contains letter)
FF Circulatory, Depression
FF Circulatory, Physiology
FF Circulatory, Stimulants
FF Cobra Venom
FF Complications, Cerebral
FF Complications, Cardiorespiratory
FF Complications, Gastrointestinal
FF Complications, G. U.
FF Complications, Larynx and Cord Injury (See also: Larynx)
FF Complications, Muscle
FF Complications, Nerve
FF Complications, Post-Operative – Circulatory
FF Complications, Post-Operative – Ileus
FF Complications, Post-Operative – Respiratory
FF Complications, Post-Operative – Miscellaneous (See also: Legal size box)
FF [Complications, Post-Operative – Miscellaneous: Photos]
"Pepke, Mrs. Lillian -- No. s763a / Skin lesion on face from anes. mask")
FF Complications, Renal
FF Complications, Treatment of
FF Compral
FF Convulsions
BOX

Reprints: Coramine

FF Coramine
FF [Cyclopropane]

BOX

Reprints: D

FF [D – Miscellaneous]
FF Deaths
FF Deaths
FF [Deaths: Study by J. H. Bennett]

"A Study of Anesthetic Deaths in Texas" Typescript (N. D.)
FF Demerol
FF Dental
FF Diabetes
FF Diagnosis
FF Dilaudid
FF Distention
FF Drowning
FF Divinyl Oxide (Photostatic copies)
BOX

Reprints: Divinyl Oxide

FF Divinyl Oxide  (Photostatic copies)
FF Divinyl Oxide  (Contains typed and manuscript material)
FF Divinyl Oxide

(Note: Filed under this heading are items about Divinyl oxide, Divinyl ether, Vinyl ether, Vinethene and Vinesthene.)

FF Drugs
FF Drugs, Absorption of
FF Drugs, Addiction to
FF Drugs, Allergy of
FF Drugs, Dosage
FF Drugs, New
FF Drugs, Toxicity  (See also: Poisoning)

(Note: See also more specific categories, such as Barbiturates and Local Anesthetics.)

FF Electrocardiography
BOX

Reprints: Embolism

FF Embolism (See also: Thrombosis)
FF Emergencies
FF Endobronchial
FF Endocrine
FF Endotracheal and Esophagus
FF Endotracheal and Esophagus (Contains letter)
FF Energy Index
FF Enzymes
FF Ephedrin
FF [Essays]
FF Ether Anesthesia
## BOX

### Reprints: Ether

| FF | Ether Anesthesia |
| FF | Ether, Complications |
| FF | Ether, Experiments |
| FF | Ether, Impurities |
| FF | Ether, Rectal |
| FF | Ethyl Chloride |
| FF | Ethylene |
| FF | Explosions, Precautions | (See also: Anesthesia, Electrical) |

Includes Circular 53/44; see Oversize Box for enclosure

| FF | Explosions, Precautions |
| FF | [Explosions, Precautions -- Slocum & Finvold] (1944) |


| FF | [Explosions, Precautions – IMC Committee] (1940) |
| FF | Report and correspondence of the Committee on Explosion Hazards in Hospitals of the Institute of Medicine of Chicago. |

| FF | [Explosions, Precautions -- Inspection Summary] (1931) |

"Summary of the Inspection Made by Mr. Stephens of the Architect's Office and Mr. Puerker, Electrical Engineer from one of the Other State Departments Who He Brought Along With Him"

[Note: This is a report on conditions in the operating room and cast room of the Orthopedic Hospital.]
BOX

Reprints: Explosions

FF Explosions, Reports
FF Explosions, Reports
FF [Explosions, Reports – ASA Meeting, April 1939]
FF [Explosions, Reports – Correspondence] (1934—1935)
FF [Explosions, Reports – Paper by E. R. Rushton] (1934)
"Explosions of Anesthetics" (With correspondence)
FF [F and G – Miscellaneous]
FF Gases
FF Gases, Analysis
FF Gases, Diffusion
FF Gases, Rare
FF Geriatric Cases
FF Government and Medicine (See also: BOX FF Legal)
FF [H – Miscellaneous]
FF Heart, Effects of Anesthesia
BOX

Reprints: Heart

FF Heart, General
FF Heart, General
FF Heart, General
FF Heart, General
FF Heart Surgery
FF Helium
FF Hibernation
BOX

Reprints: Historical

FF Historical, Doctors
FF Historical, Doctors
FF Historical, Miscellaneous
FF Humidity (See also: Atmospheric Conditions)
FF Hydrocarbons
FF Hyperbaric Oxygen (See also: Oxygen)
FF Hypnosis
FF [Hypnotics and Sedatives]
FF Hypothermia (See also: Temperature)
FF Infection
FF Inhalation (i.e.: Inhalation Therapy)
FF Intensive Care
FF Intermittent Positive Pressure Breathing
FF Intestine
BOX

Reprints: Intocostrin

FF Intocostrin and Curare
FF Intocostrin and Curare
FF [Intocostrin and Curare: MS by L. Garcia Herreros]
   “Curare Action on the Bronchiolar Muscles.”
FF Intra-Arterial
FF Intravenous
FF Ionization
FF Isotopes
FF [Jaundice]
FF Kidney
FF Larynx (See also: Complications)
FF Legal
FF [Libraries]
FF Liver
BOX

Reprints: Local

FF Local Anesthesia

FF Local Anesthesia (Contains typed and manuscript material.)

FF Local Anesthetics – Cocaine

FF Local Anesthetics – Diothane

FF Local Anesthetics – Intracaine

FF Local Anesthetics – Lidocaine

FF Local Anesthetics – Metycaine

FF Local Anesthetics – Monocaine

FF Local Anesthetics – Nupercaine

FF Local Anesthetics – Pantocain (See also: Spinal – Complications)

FF Local Anesthetics – Procaine

FF Lung, Abscess

FF Lung, Anatomy
BOX

Reprints: Lung

FF Lung, Atelectasis
FF Lung, Atelectasis
FF Lung, Emphysema
FF Lung, Gas absorption
FF Lung, General
FF Lung, Pneumonia
FF Lung, Surgery
FF Lung, Surgery
FF Lung, Tuberculosis
FF Lung, Vital Capacity
BOX

Reprints: M

FF [M – Miscellaneous]
FF Magnesium Sulfate
FF Manuscripts, Preparation of (See also: Speech Making)
FF Medication, Preanesthetic
FF Medication, Preoperative
FF Metabolism
FF Metabolism
FF [Metabolism – Typescript by Arthur Guedel]
   “Metabolism and Reflex in Anesthesia” (4-page typescript)
FF [Metabolism – Typescript by Severinghaus]
   “Historical Development of Basal Metabolism Study” (6-page typescript)
FF Methods
FF Methoxyflurane
FF Morphine
FF Moving Pictures
BOX

Reprints: Mu

FF  Muscle Relaxants
FF  Muscle Tonus
FF  Narcosis
FF  Narcotics
FF  Neostigmine
FF  Neuritis      (Includes neuralgia)
FF  Neuropsychiatry
FF  Neuropsychiatry      (See also: Box Legal size)
FF  Neuropsychiatry      (Contains typed and manuscript material, correspondence)
BOX

**Reprints: Nervous System**

- FF Nervous System, Autonomic
- FF Nervous System, Central
- FF Nervous System, Peripheral
- FF Nervous System, Sympathetic
- FF Nervous System, Vago-Sympathetic
- FF Nitrous Oxide
- FF Nitrous Oxide
- FF [Nitrous Oxide: Correspondence with D. E. Fletcher] 1943

(Note: Includes reprint by Fletcher: "Personality Disintegration Incident to Anoxia…")
BOX

Reprints: Nitrous Oxide

FF Nitrous Oxide

FF Nomenclature

FF Obstetrics, Anesthesia & Analgesia

FF Obstetrics, Anesthesia & Analgesia

FF Obstetrics, Block Anesthesia

FF Obstetrics, Cesarean section

FF Obstetrics, Effects on fetus

FF Obstetrics, General aspects

FF Obstetrics, Special problems

FF Obstetrics, General Principles

FF Obstetrics, Inhalational

FF Obstetrics, Labor Process
BOX

Reprints: Octozone

FF Octozone (Contains letter)
FF Opium Derivatives
FF Oxygen Want
FF Oxygen Want
FF Oxygen Want
FF Oxygen Want
FF Oxygen Want
FF Ozone
BOX

Reprints: P

FF [P & Q – Miscellaneous]
FF Pain
FF Paraldehyde
FF Paralysis
FF Patient Post-Operative Care
FF [Pediatric] (See also: Spinal, In Children)
FF Pharmacology (Contains letter) (See also: Anesthetics)
FF Plastics
FF Pleura
FF Poisoning (See also: Antidotes, Barbiturates, Drugs)
FF Posture
FF Radioactive Recording
FF Rectal
FF Refrigeration (See also: Air Conditioning, Carbon Dioxide, Shock and Temperature)
FF Research (Note: Does not relate to research done by Dr. Waters)
FF Respiration, Artificial (Typed and manuscript materials)
Reprints: Respiration 1

FF Respiration, Artificial
FF Respiration, Artificial
FF Respiration, Regulation of (Reprint series from *American Journal of Physiology*)
FF Respiration, Regulation of (Reprint series from *American Journal of Physiology*)
FF Respiration, Regulation of (Reprint series from *American Journal of Physiology*)

Reprints: Respiration 2

FF Respiration, Regulation of (Reprints by Robert Gessell)
FF Respiration, Regulation of
FF Respiratory, Apparatus (See also: Apparatus, Inhalation)
FF Respiratory, Centre
FF [Witzemann typescript]
   “The Old and New Chemistry of Oxygen and the Chemistry of Respiration by E. J. Witzemann, January ’35.” (2 copies)
FF Respiratory, Depression
**BOX**

**Reprints: Respiratory**

- FF Respiratory, Obstruction
- FF Respiratory, Paralysis
- FF Respiratory, Difficulty in Poliomyelitis
- FF Respiratory Stimulants
- FF Resuscitation
- FF Resuscitation
- FF Risk
- FF [S – Miscellaneous]
- FF Scopolamine
- FF Sensitivity  (See also: Drugs, Allergy to)
**BOX**

Reprints: Shock

FF Shock

FF Shock

FF Shock [Experimental]

FF Shock [Hemorrhagic]

FF Shock [Obstetrical]

FF Shock [Surgical]

FF Shock [and Temperature]  (See also: Refrigeration, Temperature)

FF Shock [Traumatic]

FF Shock [Treatment of]

FF Signs, Eye  (i.e.: Signs of Anesthesia)

FF Skin

FF [Sleep]

FF Soda Lime

FF Speech Making  (See also: Manuscripts)
BOX

Reprints: Spinal 1

FF  Spinal
FF  Spinal
FF  Spinal
FF  Spinal
FF  Spinal
FF  Spinal
FF  [Lecture by Hugh S. Mathewson] Typescript (N. D.)

"The Pharmacology of Agents Introduced into the Subaracnoid Space"

FF  [Speech by Philip D. Woodbridge] Typescript (N. D.)

"Metycaine and Nupercaine Spinal Anesthesia"
BOX

Reprints: Spinal 2

FF Spinal, Apparatus

FF Spinal, Complications

FF Spinal, Complications (Contains letters)

FF [Paper by Caldwell B. Esselstyn]

"Pantocain and Spinal Anesthesia" Typescript (N. D.)

FF [Paper by Sidney C. Wiggin]

"Pantocaine and Novocaine in Spinal Anesthesia" Typescript (N. D.)

FF Spinal, Experimental

FF [Spinal, Experimental -- Paper by Stanley J. G. Nowak]

"Studies in the Circulation, Respiration, and the Central Nervous System Under Spinal Anesthesia" Typescript (N. D.)

FF Spinal, In Children (See also: Pediatric)
(See also: Legal size box, and Oversize Box Medium)

FF Spinal, Therapeutic

FF Statistics [Keeping and Recording] (See also: Anesthesia, Charts)

FF Statistics [Reports]

FF Stimulants

FF Sulfanilamide

FF Sympathectomy

FF Sympathomimetic Drugs
BOX

Reprints: T

FF [T – Miscellaneous]
FF Teaching (i.e.: Medical education) (See also: BOX FF Legal size)
FF Teaching
FF Teaching
FF Teaching, Post-Graduate
FF Temperature (See also: Refrigeration ; Shock)
FF Tetanus
FF Textbooks
FF Therapeutic Use of Anesthesia
FF Thrombosis
FF Thymus
FF Thyroid
BOX

Reprints: Tribromethanol

FF  Tribromethanol
FF  Tribromethanol
FF  Tribromethanol, Complications and death
FF  Tribromethanol, Pharmacology of
FF  Tribromethanol, Therapeutic use of
FF  Thrombosis  (See also: Embolism)
FF  [Ulcer]
FF  [Urology]
FF  [Vitamins]
FF  [War]  (See also: Shock, Traumatic)
FF  Water Balance

BOX  Miscellaneous

FF  Reprints on multiple topics
FF  Reprints in the German language  (To be translated)
FF  Proceedings of conferences
LEGAL SIZE BOX

Personal Papers Group

FF  “Teaching Outline of Psychiatry for Students and Nurses by G. Wilse Robinson, Jr., M. D., Neurological Hospital, Kansas City, Missouri.” (N. D.)

FF  Sioux City, Iowa (Tax records, 1917—1918) (See also: Box FF)

FF  Letter to RMW from L. D. Cheney Jan. 15, 1915 (See also: Box Rectal)


FF  Australian Society of Anaesthetists

Proposed outline of textbook by Geoffrey Kay. ND

“University of Melbourne. Anesthesia. Synopsis of Lectures I – VIII. Compliments of the Lecturer in Anaesthesia.” (2 copies) ND
[Note: “the Lecturer” was Geoffrey Kay.]

“Ether Convulsions.” (Report of results of A. S. A. questionnaire, dated 1937.)

“Royal Adelaide Hospital Honorary Staff Sub-Committee on Anaesthetic Fatalities.” (Report dated 1940.)

FF  Correspondence concerning the Henry Hill Hickman Medal, May 17 and 23, 1944. (See also: Memorabilia, BOX FF)

FF  Letter from Simpson Burke, dated 25 May, 1945. (See also: Box FF)

FF  Letter from Paul Yordy, dated 18 July ’45. (See also: Box FF)

FF  Certificate of participation in the Health Education Program of the American Medical Association (1947)

FF  World Federation of Societies of Anesthesiologists, 3rd World Congress, Sao Paulo, Brazil, 1964. (See also: BOX FF “Shades of Our Predecessors.”)
LEGAL SIZE

Reprints Group

FF Anesthesia, Alcohol  (See also: Box )
FF Apparatus, Gas Machines  (See also Box )
FF Aviation  (See also Box )
FF Barbiturates  (See also Box Barbiturates 1 and 2)
FF Complications, Post-Operative – Miscellaneous  (See also Box #)
FF Deaths  (See also Box #)
FF Explosions, Precautions  (See also Box #)
FF Spinal  (See also Box #)
FF Spinal, In Children  (See also Box #)
FF Teaching
OVERSIZE BOX

FF Two copies of advertising flier for Labat spinal anesthesia outfit.

FF Enclosure to Circular 53/44 from the Ministry of Health, London (1944)
(See also: Box Explosions)

FF Clinical records, dated May 2, 1946. (See also: Box FF)

FF Scrapbook

REMOVALS

Xerographic copy of Apgar’s “Notes on Anesthesia. Prepared for the Medical Students, College of Physicians and Surgeons, Columbia University”, removed from the folder headed “Doctors” to the Virginia Apgar Collection.
Memorabilia Group

Waters To & Fro Canisters

Connell Airway engraved “Waters”

Laryngoscope

Henry Hill Hickman Medal of the Royal Society of Medicine.

University of Wisconsin Alpha Omega Alpha lavaliere.

Irving S. Cutter Medal of the Phi Rho Sigma fraternity. Presented to Dr. Waters “for his outstanding contributions to the arts and science of medicine”, September, 1946.


Glass slides ?

Mask collection?
BIBLIOGRAPHY

Books


xx. Waters, Ralph M. “Biographical Details Re: Ralph Waters requested by Dr. Sidney Wiggin, April, 1952.” (Typescript.)


xx. Waters, R. M. “Advantages and Technic of Carbon Dioxide Filtration with Inhalation Anesthesia.” Read October 30, 1925 before Eastern Society of Anesthetists. (Carbon copy.)


