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**GUTCH, CHARLEY AND ELIZABETH (BETTY)**

Papers 1939-2007  
(bulk dates 1960-1980)  
Extent: 8 linear feet

- ACQUISITION: This collection was donated to the University of South Dakota in December 2010 by Mrs. Elizabeth Gutch.
- ACCESS: This collection is open for research without restrictions.
- PHOTOGRAPHS: Photographs and slides are located in Box 15.
- PRINTED MATERIAL: Printed materials are located in Boxes 1-16.
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- ACCESSION: RC2010.16

### **Biographical Note**

Charley F. Gutch was born on February 17, 1920, to Charles and Ruth Gutch of Albia, Iowa. He attended high school and junior college in Albia before transferring to the University of Iowa in 1939. Gutch obtained a Bachelor's Degree (BA) from the University of Iowa in 1941 and a Doctor of Medicine Degree (MD) from the University of Iowa in 1943.

Elizabeth R. Riggs was born in December 1919 to Robert and Florence Riggs of Pierre, South Dakota. She graduated from high school in Pierre in 1937 and went onto obtain a Bachelor's Degree in Business from the University of Iowa.

Charley Gutch and Elizabeth (Riggs) Gutch were married in Pierre, South Dakota, during Charley's final year of medical school. In December 1943, Dr. and Mrs. Gutch moved to Milwaukee, Wisconsin, for Dr. Gutch's medical internship at Columbia Hospital. Following completion of the internship program, Dr. Gutch served fifteen months in the United States Navy during World War II as a part of the Sino-American Cooperative Organization (SACO) and Naval Group China.

After returning to the civilian life, Dr. Gutch served at St. Mary's Hospital in Pierre, South Dakota; he then completed residencies in Iowa City, Iowa, for anesthesiology (1947) and Lincoln, Nebraska, for internal medicine (1949-1951). Dr. Gutch served as the Chief of the Dialysis Unit at the Veteran's Affairs (VA) Hospital in Lincoln, Nebraska, through 1967. During this time, he also was an Assistant Professor of Medicine at Creighton University School of Medicine.

From 1967 to 1970, Dr. Gutch served as the Medical Director of the Chronic Dialysis Center at the University of Colorado Medical Center. Dr. Gutch then served as the Medical Director of the Hemodialysis Training Center at the University of Utah from late 1970 to 1972. It was during his time in Utah that Dr. Gutch, together with his colleague Martha Stoner, published the first edition of the book *Review of Hemodialysis for Nurses and Dialysis Personnel*.

Dr. Gutch then served as the Chief of Dialysis Programs at the University of Arizona Hospital from late 1972 to 1976. Finally, Dr. Gutch accepted a professorship at the University of South Dakota School of Medicine. He retired in 1988 and was named Professor Emeritus by the South Dakota Board of Regents. Dr. Gutch passed away in 2009.

### **Scope and Content Note**

The Charley and Elizabeth (Betty) Gutch Papers contains five series: **Letters**, **Medical Research and Practice**, **Awards and Recognition**, **Personal**, and **Oversize**.

The **Letters Series** is composed of digital and Xerox copies of letters written by Dr. Gutch to Mrs. Gutch during Dr. Gutch's Naval service in World War II. This series also includes two hand-drawn maps of the areas where Dr. Gutch served as a member of SACO and Naval Group China. The letters themselves are arranged chronologically.

The **Medical Research and Practice Series** is divided into two sub-series: *Professional Resources* and *Administrative Documents*. The *Professional Resources* sub-series includes journal articles, books, and other resources that Dr. Gutch used or wrote in the context of his medical practice. The *Administrative Documents* sub-series includes publishing agreements, invoices, royalty reports, faculty and staff directories, and fundraising campaign documents. All of the materials in the Medical and Research Practice series are arranged chronologically by year and alphabetically within each year.

The **Awards and Recognition Series** contains all documents recognizing Dr. Gutch's skills and certifications as a physician, including commissioning certificates, medical licenses, registration certificates, basic sciences certification, a farewell scrapbook, and plaques and medals honoring Dr. Gutch. The materials in this series are arranged chronologically by year and alphabetically within each year.

The **Personal Series** is divided into three sub-series: *Correspondence*, *Newspaper Clippings*, and *Photographs and Biographical Information*. The *Correspondence* sub-series includes letters and telegrams to Dr. Gutch and carbon copies of Dr. Gutch's responses. Most of the correspondence relates either to Dr. Gutch's medical career or to the publication of his book *Review of Hemodialysis for Nurses and Dialysis Personnel*. This sub-series is arranged chronologically. The *Newspaper Clippings* sub-series includes clippings related to Dr. Gutch's career as a physician, the development of the University of South Dakota Medical School, and the careers and deaths of Dr. Gutch's colleagues. This sub-series is arranged by subject matter. The *Photographs and Biographical Information* sub-series is composed of funeral programs, biographical sketches of Dr. Gutch's career, portrait photographs, personal photographs, medical photographs, and programs from events that Dr. Gutch attended. The materials in this sub-series are arranged by subject matter.

The **Oversize Series** contains awards and certificates relevant to Dr. Gutch's service as a physician including framed diplomas, internal medicine certification, a medical school class photo, and other large certificates.

### **Additional Resources**

The **Letter Series** is also electronically available at the Digital Library of South Dakota <http://dlsd.sdln.net/>.

### **Subjects**

Gutch, Charley, 1920-2009  
Gutch, Elizabeth, 1919-  
Physicians – Correspondence  
Physicians – South Dakota  
World War II, 1939-1945

Box No.	Description
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**Box 1**

## LETTERS

- 1945-1946 Gutch, Charley to Elizabeth (Betty) Gutch
- 1945-1946 Gutch, Charley to Elizabeth (Betty) Gutch Duplicate Copy  
(Incomplete)
- [1946] Naval Service Maps

**Box 2**

## MEDICAL RESEARCH AND PRACTICE

*Professional Resources*

- 1859 *A Treatise on the Practice of Medicine* Kost
- 1913 "On the Removal of Diffusible Substances from the Circulating Blood of Living Animals" Abel, Rowntree, Turner
- 1939 "Outline for History and Physical Examination Including Complete Neurological..." State University of Iowa
- 1941 "Crush Injuries with Impairment of Renal Function" Bywaters, Beall
- 1942 "Crushing Injuries" Bywaters
- 1947 "Local Penicillin Therapy for Tropical Ulcer" Gutch
- 1948 "Decimal Equivalents of Fractions"
- 1950 *The New England Journal of Medicine* Volume 243 Number 5
- 1950 "The Treatment of Amebiasis: With a Preliminary Report on the Use of Aureomycin" Gutch
- 1951 "Gastrointestinal Hemorrhage Due to Neurofibromatosis" Kleitsch, Kehne, Gutch
- 1954 "The Use of ACTH and Cortisone in Leukemia and Lymphoma" Griffith, Gutch
- 1955 "Topical and Systemic Therapy in Diseases Affecting the Skin" [VA Technical Bulletin] Pillsbury
- [1955] "Water Treatment for Hemodialysis [Technical Report]" Culligan
- 1956 "Whole Body Buffers in the Regulation of Acid-Base Equilibrium" Elkinton
- 1957 "Myelofibrosis" Gutch
- 1960 "Inpersol" Abbott Laboratories
- 1960 "Serum Osmolality as a Routine Test" Stevens, Neumayer, Gutch
- 1961 *Medicine* Volume 40 Number 3
- 1961 "Pneumonia Caused by Nocardia Asteroides" Gutch

**Box 3**

## MEDICAL RESEARCH AND PRACTICE

*Professional Resources*

- 1962 *Diagnostic Value of 24-Hour Urinary Excretion Patterns* Holmes
- 1962 "Intermittent Peritoneal Dialysis in Acute Renal Failure" Gutch, Stevens, Watkins
- 1962 "Islet Cell Tumor Diarrhea and Hypopotassemia (The Zollinger-Ellison Syndrome?)" Gutch, Kisner
- 1962 "Measurement of Osmolality in Serum, Urine and Other Biologic Fluids by the Freezing..." Holmes

Box No.	Description
1963	“Disposable Coil Kidney” Travenol Laboratories, Inc.
1963	“The Improved Artificial Kidney” Longmore, Lond
1964	<i>The Bulletin of Laboratory Medicine</i> Volume 13 Number 5
1964	“Amphetamine Poisoning and Peritoneal Dialysis” Wallace, Neumayer, Gutch
1964	“Chron-a-coil: Disposable Coil Dialyzing Unit” Travenol Laboratories, Inc.
1964	“Periodic Peritoneal Dialysis in Chronic Renal Insufficiency” Gutch, Stevens, Watkins
1964	“Peritoneal Dialysis” Gutch
1964	“The Excretion of Water and of Solute by the Normal Urinary System” Hendry, Harrison, Fletcher
1965	“Acute Renal Failure Due to Inhalation of Trichloroethylene” Gutch, Tomhave, Stevens
1965	“Chronic Survival After Human Renal Homotransplantation” Starzl, et al.
1965	“Freezer Manufacturer Builds a Life Saver” <i>Business Week</i>
1965	“Homer Smith [editorial]” Bean
1966	“Silastic Catheter for Peritoneal Dialysis” Gutch, Stevens
1966	“The Patient Who Has Peritoneal Dialysis” Watkins
1967	<i>Report of the Committee on Chronic Kidney Disease</i> Gottschalk (Chairman of Committee)
1967	“The Psychiatric Contribution to a Renal Unit Undertaking Chronic...” Cramond, Knight, Lawrence
1968	Periodic Table of the Elements / Table of Periodic Properties of the Elements
1968	“The VA, an All-American Institution”
1969	“Fear of Death and Fear of Life” Beard
1969	“The Psychiatrist, the Treatment of Chronic Renal Failure, and the Prolongation of Life: II” Abram
1970	“Factors in Psychiatric Prediction of Patients Beginning Hemodialysis” Malmquist, et al.
1970	“Family Therapy” Kossoris
1970	“Guide to Drug Usage” Bennett, et al.
1970	“Hemodialysis – Feelings, Facts, Fantasies” Cummings
1970	“Personality Correlates of Survival in a Long-Term Hemodialysis Program” Glassman, Siegel
1970	“Psychological Observations on the Artificial Kidney Unit’s Staff...” Válek, Tomášek
1971	“Die Kapillarniere – Erfahrungen in Chronischer Hämodialyse” Pinggera, Gutch, et al.
1971	“Exploration of the cooperative Triad in the Investigation of Home Dialysis...” MacElveen
1971	“Hemodialysis for All Who Need It”
1971	“Home Hemodialysis in the Rocky Mountain Region” Pingerra, Holmes, Gutch, Kolff

Box No.	Description
[1971]	“How to Fool Bubble Detectors” Kopp, Gutch, Backman, Radford, Kolff
1971	“Plasticizers in P.V.C. and the Occurrence of Hefatitis [sic] in a Haemodialysis [sic] Unit” Neergaard, et al.
1971	“Predicting Emotional Adjustment in Home Dialysis Patients and Their Relatives” Fishman, Schneider
1971	<i>Review of Hemodialysis for Nurses and Dialysis Personnel</i> First edition Gutch, Stoner
1971	<i>Review of Hemodialysis for Nurses and Dialysis Personnel</i> Japanese edition Gutch, Stoner
1971	“Suicidal Behavior in Chronic Dialysis Patients” Abram, et al.
1971	“The Decision to No Longer Live on Chronic Hemodialysis” McKegney, Lange
1971	“The Liter-Kilogram-Concept in Prescription and Evaluation of Hemodialysis” Kopp, Gutch, Kolff
1971	“Ultra-Pure Water Systems [Technical Report]” Culligan

**Box 4**

## MEDICAL RESEARCH AND PRACTICE

*Professional Resources*

- 1972 “A Simplified Automatic Peritoneal Dialysis System” Tenckhoff, Meston, Shilipetar
- 1972 “Bubble Detector Testing” Kopp
- 1972 “Clinical Evaluation of the E-Z-S Kidney” Gutch, et al.
- 1972 “Group Therapy in a Community Hospital Dialysis Unit” Sorensen
- 1972 “Emotional Reactions in a Renal Unit” Gelfman, Wilson
- 1972 “Endotoxemia in Febrile Reactions During Hemodialysis” Rajj, Shapiro, Michael
- 1972 “Hemolysis in Dialyzed Patients” Yawata, et al.
- 1972 “Methods of Water Purification for Dialysis” Spatz
- 1972 “National Nosocomial Infections Study” Center for Disease Control
- 1972 “Nursing Response to the Long-Term Dialysis Patient” Moore
- 1972 “Personality Factors in Chronic Hemodialysis Patients Causing Noncompliance...” De-Nour, Czaczkes
- 1972 “Post-Mortem Removal of Dow-Cordis Capillary Kidney – Summary” Gutch
- 1972 “Problems in Adaptation to Maintenance Hemodialysis” Reichsman, Levy
- 1972 “Single Needle Dialysis Manual” Panter
- 1972 “Syndrome of Dyspraxia and Multifocal Seizures Associated with Chronic Hemodialysis” Alfrey, et al.
- 1972 “The Sad Truth About Hemodialysis in Diabetic Nephropathy” Ghavamian, Gutch, Kopp, Kolff
- [1972] “Thyroid Function in Chronic Renal Failure” [Grant Application] Ramirez

Box No.	Description
1972	“Thyroid Function in Chronic Renal Failure” Ramirez, Jubiz, Gutch, Kolff
1972	“Ultra-Pure Water for Laboratories and the Medical Profession” Culligan
[1973]	“Analysis of Functional Parameters of Single Needle Dialysis...” [Abstract] Gutch, et al.
1973	“[A New Look at Infectious Diseases] Hepatitis” Turner
1973	“Chlorinated Urban Water: A Cause of Dialysis-Induced Hemolytic Anemia” Eaton, et al.
1973	“Guidelines to Antibiotic Therapy in Renal Failure” Neu
1973	“Hemodialysis-Associated Hepatitis” Garibaldi, et al.
1973	“Hemodialysis Causing Anguish”
1973	“Hepatitis A Advance: Virus-Like Antigen ‘Visualized’” <i>U.S. Medicine</i>
1973	“Pericardial Tamponade in Chronic-Hemodialysis Patients” Ghavamian, Gutch, et al.
1973	“Recommendations for the Prevention and Control of Hemodialysis-Associated Hepatitis” Center for Disease Control
1973	<i>Haemodialyse: Een Handleiding voor Kunstnierbehandeling</i> Gutch, Stoner
1973	“Single Needle Technique for Hemodialysis: A Comparison of Two Systems” Spiegel, et al.
1973	“The Dialysis Patient and Attitudes Towards Work” Sullivan
1973	“The Psychological Evaluation of Patients for a Kidney Transplant...” Greenberg, Davis, Massey
1973	“Thyroid Abnormalities in Renal Failure” Ramirez, Jubiz, Gutch, et al.
1974	“Hemodialysis – Chloramine Removal” [Research and Development Report, Culligan] Hussein
1974	“Hepatitis B Infection: A Point-Prevalence Study in 15 US Hemodialysis Centers” Szmunn, et al.
1974	“NIH Team Views Hepatitis A Virus” and “Stanford Group: ‘Dane’ is B Virus” <i>Infectious Diseases</i>
1974	“Refractory Ascites in Chronic Dialysis Patients” Gutch, et al.
1974	“The Middle Molecule Muddle – A Pragmatic Approach (or Diogenes without a Lantern)” Gutch
1974	“Water Treatment for Hemodialysis: Single Patient System Model RDS-1” Culligan
1975	“2-Chloroethanol as a Toxic Residue in Dialysis Supplies Sterilized with Ethylene Oxide” Gutch, et al.
1975	“Artificial Kidneys: Problems and Approaches” Gutch
1975	<i>Review of Hemodialysis for Nurses and Dialysis Personnel</i> Second Edition Gutch, Stoner
1975	“Visit to Santa Barbara Community Dialysis Center”
1976	“Sodium Polystyrene Sulfonate Resin Candy for Control of Potassium in...” Johnson, Caze, Gutch, Ogden

Box No.	Description
1976	“The Artificial Prolongation of Life” in <i>The Doctor as Judge of Who Shall Live and Who Shall Die</i> Thielicke
1977	<i>South Dakota Journal of Medicine</i> Volume 30 Number 4

**Box 5**

## MEDICAL RESEARCH AND PRACTICE

*Professional Resources*

- 1979 *Review of Hemodialysis for Nurses and Dialysis Personnel* Third Edition Gutch, Stoner
- 1983 *Review of Hemodialysis for Nurses and Dialysis Personnel* Fourth Edition Gutch, Stoner
- 1989 “Guidelines for Prevention of Transmission of [HIV] and Hepatitis B Virus...” CDC and U.S. Department of Health
- 1990 “Adjuvant Therapy for Patients with Colon and Rectum Cancer” National Institutes of Health
- 1990 “Hypertension” Chobanian, Gavras, Netter
- 1993 “Morbidity and Mortality of Dialysis” National Institutes of Health
- 1993 *Review of Hemodialysis for Nurses and Dialysis Personnel* Fifth Edition Gutch, Stoner, Corea
- 1993 “Should Hemodialysis Fluid be Sterile?” Henderson
- 1993 “Talk for UI Alumni” [Gutch]
- [1995] “Early Graduate Medical Education in South Dakota: The Johns Hopkins Connection” Gutch
- 1996 “Dr. T.F. Riggs and the Johns Hopkins Connection: An Early Graduate Medical Experience...” Gutch
- 1998 “Recommendations for Prevention and Control of Hepatitis C Virus...” CDC and U.S. Department of Health
- 1998-2000 *USD Medicine* Volumes 27 and 29
- 1998 “Your Urinary System and How it Works” National Institutes of Health

**Box 6**

## MEDICAL RESEARCH AND PRACTICE

*Professional Resources*

- 1999 “Chronic Hepatitis C: Current Disease Management” National Institutes of Health
- 1999 *Review of Hemodialysis for Nurses and Dialysis Personnel* Sixth Edition Gutch, Stoner, Corea
- 1999 “Urinary Tract Infection in Adults” National Institutes of Health
- 2001-2006 *USD Medicine Alumni Update* (July 2001, October 2001, July 2003, Spring 2005, Spring 2006)
- 2004 “A Treatment Algorithm for Neuropathic Pain” Namaka, et al.
- 2005 *Review of Hemodialysis for Nurses and Dialysis Personnel* Seventh Edition Kallenbach, Gutch, Stoner, Corea
- 2005-2008 *Wegner Health Information* Volumes 5.1, 5.2, 6.2, 7.2
- 2006 *South Dakota Medicine* Volume 59 Number 1

Box No.	Description
	No date "A Modified, Personalized System of Education for Junior Internal Medicine..." Talley, Gutch, Harvill
	No date "Aqua-Cleer" [Series M Reverse Osmosis Systems] Culligan
	No date "Astrup Equipment" Andersen, Engel
	No date Catheter Scale and Reference Chart
	No date "Dermatome Chart of the Human Body"
	No date "Dialysis Capsule for Permanent Implantation into a Body Cavity..." Salisbury
	No date "Dialyzer Clearance, Single Needle vs. Double Needle" Ziegler, Cazee, Gutch, Ogden
	No date "Hepatitis Screening: RBC Agglutination Accuracy Can Top Radioimmunoassay" Internal Medicine News Service
	No date "Not All Water Is Good for Kidney Machines" Ginn
	No date "Medical Sciences Building" [USD Foundation Fundraising Booklet]
	No date "Medications for Peritoneal Dialysis"
	No date "Methods of Water Purification for Dialysis" Spatz
	No date "Normal Data – Denver"
	No date "Perfusion Injury in Renal Transplants" [Abstract] Spector, et al.
	No date "Reverse Osmosis: How It Works" Continental Water Conditioning Corporation
	No date "RS-1 and RDS-1 versus Deionization System Cost Analysis for Dialysis"
	No date "Section 2: The Acid-Base System" in <i>Radiometer</i>
	No date "Single-Needle Dialysis: Study of Some Functional Parameters" Gutch, et al.
	No date "Sodium Excretion and Hormonal Changes during Salt Loading at Moderately High Altitude..." Ramirez, et al.
	No date Tech Bulletins by Osmonics, Inc.
	No date "The Philosophy of Self-Dialysis Training" Barbour, Walker
	No date "The Serum Creatinine as an Index of Renal Function"
	No date "True Blood Flow and Venous Admixing in Single Needle Dialysis" Gutch, Ziegler, Cazee, Ogden
	No date "Unipuncture Control System K-3" Vital Assists, Inc.
	No date "Water Treatment for Hemodialysis: A Review" Walker, Johnson, Ginn, Hopkins

**Box 7****MEDICAL RESEARCH AND PRACTICE***Administrative Documents*

- 1957 "Parliamentary Procedure at a Glance"
- ca. 1970 Research Notes
- 1970-1999 Book Publishing Bills, Royalty Reports, and Invoices
- [1970-1980] Medical Supplies Order Forms
- 1970-2003 Publishing and Contributor Agreements
- 1971-2000 Commercial Listings of *Review of Hemodialysis for Nurses and Dialysis Personnel* by Gutch and Stoner

Box No.	Description
	[1972] Curriculum Vitae David A. Ogden
	1972 Curriculum Vitae Klaus F. Kopp
	1972-1982 Employment Contracts and Forms
	1981 Curriculum Vitae John E. Kiley
	1992 USD School of Medicine Administrative Council Documents
	1994 South Dakota Health Sciences Library Campaign Documents
	1995 "Pirdocs"
	1995 "Sportster Vi Faxmodem with Personal Voice Mail" [User's Guide] U.S. Robotics
	No date "Initial Outline for Text on Hemodialysis for Nurses and Dialysis Technicians" and Sample Layout
	No date Lecture Notes

**Box 8**

## MEDICAL RESEARCH AND PRACTICE

*Administrative Documents*

- 1957 *Bulletin of the Medical Staff* [Bishop Clarkson Memorial Hospital; Omaha, NE]
- ca. 1970 Medical Staff Directories
- 1975-1977 *Bulletin* USD School of Medicine
- 1976 USD School of Medicine Faculty and Staff Roster
- 1977-1978 *Bulletin* USD School of Medicine
- 1980-1981 *Bulletin* USD School of Medicine
- 1981-1982 "Student Affairs" USD School of Medicine
- 1982-1984 *Bulletin* USD School of Medicine
- 1985-1987 *Bulletin* USD School of Medicine
- 1986 USD School of Medicine Faculty and Staff Roster
- 1987-1989 *Bulletin* USD School of Medicine

**Box 9**

## AWARDS AND RECOGNITION

- ca. 1940 Certificates, Awards, Licenses
- 1941 Bachelor of Arts Degree Certificate
- ca. 1950 Certificates, Awards, Licenses
- ca. 1960 Certificates, Awards, Licenses
- 1967 [Veteran's Hospital Farewell Scrapbook]

**Box 10**

## AWARDS AND RECOGNITION

- 1970-1974 Certificates, Awards, Licenses
- 1975-1979 Certificates, Awards, Licenses

**Box 11**

## AWARDS AND RECOGNITION

- ca. 1980 Certificates, Awards, Licenses
- 1981 Recognition by Sioux Falls V.A. Medical Center

<u>Box No.</u>	<u>Description</u>
	ca. 1990 Certificates, Awards, Licenses
	1990 South Dakota Laureate Award
	1991 SD Medical School Endowment Assoc. Special Contributor Award

**Box 12**

AWARDS AND RECOGNITION

1992 Albia Community High School Wall of Fame  
1998 Certificate of Membership to [USD Foundation's] Grace Beede Society  
1998 Karl and Mary Jo Wegner Health Science Information Center Plaque  
1998 USD School of Medicine Career Clinical Award  
ca. 2000 Certificates, Awards, Licenses  
2007 SD Medical School Endowment Assoc. Special Contributor Award  
No date Certificates, Awards, Licenses

**Box 13**

PERSONAL

*Correspondence*

1943-1971 Correspondence  
1972-1974 Correspondence  
1975 Correspondence  
1976-2007 Correspondence  
No date Correspondence

**Box 14**

PERSONAL

*Newspaper Clippings*

Colleagues' Careers  
Gutch's Medical Career  
Medical Advancements and Setbacks  
Medical School Developments  
Obituaries

**Box 15**

PERSONAL

*Photographs and Biographical Information*

Funeral Programs 1987-2005  
Gutch, Charley Biographical Information and Curriculum Vitae  
Gutch, Charley and Elizabeth Portrait Photos  
Gutch, Charley and Elizabeth Snapshot Photos  
Medical and Professional Photos (Small)  
Medical and Professional Photos (Large) (2 folders)  
Other  
Pamphlets and Programs 1950-2009

Box No. Description

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**Box 16**

OVERSIZE

High School Diploma Albia, Iowa 1937  
Albia Junior College Diploma 1939  
Class Roster Poster of College of Medicine University of Iowa Fall 1943  
Doctor of Medicine Diploma University of Iowa 1943  
Columbia Hospital Intern Certificate 1944  
Physician Certificate University of Iowa 1945  
Physician Licensure for South Dakota 1947  
Internal Medicine Certificate 1953  
American Society of Extra-Corporeal Technology Honorary Life Membership  
Certificate 1973  
American Society of Extra-Corporeal Technology Active Membership 1973  
Recertification of Internal Medicine 1977  
Order of Roadrunners Certificate No Date  
Fifty Years of Medical Practice in South Dakota Certificate 1997

**Box 17**

OVERSIZE

Model Airplane  
Name Plates  
Ink Pen