Overview of the Collection

**Creator** Warner, Homer Richards

**Title** Homer Richards and Katherine Romney Warner papers

**Dates** 1939-1996 (inclusive)

**Quantity** 1 box, (0.5 linear feet)

**Collection Number** Accn2564

**Summary** The Homer Richards and Katherine Romney Warner papers contains yearbooks and professional publications. Homer Warner established the Department of Biophysics and Bioengineering (later renamed Medical Informatics) at the University of Utah and the journal *Computers and Biomedical Research*. Katherine Romney Warner was a musician and active member of the LDS Church.

**Repository** University of Utah Libraries, Special Collections.

Special Collections, J. Willard Marriott Library
University of Utah
295 South 1500 East
Salt Lake City, UT
84112-0860
Telephone: 801-581-8863
SPCReference@lists.utah.edu

**Access Restrictions** Twenty-four hour advanced notice encouraged. Materials must be used on-site. Access to parts of this collection may be restricted under provisions of state or federal law.

**Languages** English

Biographical Note

Homer Richards Warner, son of Homer (Pug) and Grace Richards Warner was born April 18, 1922 and died November 30, 2012, in Salt Lake City, Utah. He graduated from and played football for East High School and the University of Utah. He was a member of Sigma Chi fraternity.

During WWII he enlisted in the Naval Air Corps where he was trained to be a carrier-based fighter pilot. After the war he returned to the U where he met Katherine Ann Romney and they graduated together in 1946 and later married. He graduated from the University of Utah medical school (1949) and continued his training in Dallas, the University of Minnesota (Ph.D. in Physiology, 1953) and the Mayo Clinic where he developed an equation for estimating the beat-by-beat stroke volume of the heart from the shape of the pressure wave in the aorta. His experience with Dr. Earl Wood at the Mayo Clinic was pivotal in his decision to pursue a career in medical research.

With an American Heart research fellowship he returned to Salt Lake City where he opened the Cardiovascular Laboratory at the LDS Hospital in 1954 and within four years published his first article...
about the use of computers to analyze waveforms. During the remainder of the decade, Homer established the Department of Biophysics and Bioengineering (later renamed Medical Informatics) at the University of Utah in 1964, with Homer as Chair. In the 1960's Homer built an analog computer to represent mathematical models of the circulation. With this tool he was able to demonstrate for the first time in experiments on animals that the amount of blood pumped by the heart during exercise was dependent upon the dilation of the blood vessels in the exercising muscles. Then, with the digital computer, he developed a model of diagnostic reasoning that could diagnose patients with congenital heart disease more accurately than physicians could without this tool. For this work he received a Career Research Award from the National Institutes of Health and went on to build with his colleagues at LDS hospital the first computer-based patient record system (HELP) that incorporated a knowledge base to improve decision-making by physicians and nurses.

Homer founded the journal *Computers and Biomedical Research* in 1968 and remained its editor for the next 24 years. In 1977 while on sabbatical in Vancouver, B.C., he authored a medical informatics textbook still used today. After his department moved to the medical school in 1985, Homer worked with internal medicine faculty to develop a computer program called Iliad which was used to teach diagnostic skills to medical students. The Homer Warner Center for Informatics Research at Intermountain Medical Center in Salt Lake City continues his pioneering work in computers and medicine.

Homer was an avid sportsman and loved teaching his children skiing, waterskiing, biking, boating, tennis and later golf. He was a scoutmaster for ten years while his boys were in the program. In 1975 he bought a sail boat and began sailing with his family on the Great Salt Lake and seven years later they completed the Victoria, B.C. to Maui yacht race. The years visiting their condo on Bainbridge Island, WA, and sailing in the San Juan Islands with Kay were memorable. As a devoted member of the Church of Jesus Christ of Latter-day Saints, he served as Bishop of the Colonial Hills First Ward and later with Kay as medical missionaries in the Western European Area from 1996-1997.

(Biographical note quoted from an obituary printed in the *Salt Lake Tribune*, December 2, 2012.)

Katherine Ann Romney Warner was born December 27, 1924, to Daisy Rolapp and David S. Romney in Salt Lake City, Utah and died August 17, 2006. Katherine Ann grew up in Ogden where she began a life-long love of music, drama and sports. She graduated from the University of Utah with a BA in drama and performed a piano concerto with the University Orchestra at her commencement. While at the U she met Homer Richards Warner when he was home on leave from the Naval Air Corp. They were married on September 3, 1946. As a member of the LDS Church, Kay served in the Young Women's organization at the ward, stake and general board levels. She also served as ward Relief Society president and in 1996-1998 as a missionary with her husband in Western Europe. Kay served on the University of Utah's Emeritus Alumni Board recruiting potential new students to the school she loved.

(Biographical note quoted from an obituary printed in the *Deseret News*, August 21, 2006.)

**Content Description**

The Homer Richards and Katherine Romney Warner papers contains yearbooks and professional publications.

**Use of the Collection**

Homer Richards and Katherine Romney Warner papers, 1939-1996
http://archiveswest.orbiscascade.org/ark:/80444/xv67764
Restrictions on Use

It is the responsibility of the researcher to obtain any necessary copyright clearances.

Permission to publish material from the Homer Richards and Katherine Romney Warner papers must be obtained from the Special Collections Manuscript Curator.

Preferred Citation

*Initial Citation*: Homer Richards and Katherine Romney Warner papers, Accn 2564, Box [ ]. Special Collections and Archives. University of Utah, J. Willard Marriott. Salt Lake City, Utah.

*Following Citations*: Accn 2564.

Administrative Information

Acquisition Information

Donated by Liz Warner in 2010.

Box 1, folder 8 was transferred from Print and Journal, Special Collections in 2017.

Processing Note

Processed by Ryan Hutchings in 2012.

Box 1, folder 8 processed by Betsey Welland in 2018.

Detailed Description of the Collection

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<th>Container(s)</th>
<th>Description</th>
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<tbody>
<tr>
<td>Box</td>
<td>Folder</td>
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<tr>
<td>1</td>
<td>1</td>
<td>Dr. Homer Warner, Dean K. Sorenson, and Omar Bouhaddou, <em>Building a Medical Expert System</em> (pre-print)</td>
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<tr>
<td>1</td>
<td>2</td>
<td>Claude Bernard, <em>An Introduction to the Study of Experimental Medicine</em></td>
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<tr>
<td>1</td>
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<td>Medlab Computing System</td>
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<tr>
<td>1</td>
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<td>Utah Symphony: 50th Anniversary</td>
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</tbody>
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Container(s) | Description                                                                 | Dates  
--- | --- | ---  
1 | 6 | *Eastonian*, East High School Yearbook | 1939  
1 | 7 | *Classicum*, Ogden High School Yearbook | 1941  

### Names and Subjects

**Subject Terms:**  
Computer science  
Medical informatics  

**Personal Names:**  
Warner, Homer Richards--Archives  
Warner, Katherine Ann Romney--Archives  

Finding aid created by Ryan Hutchings  
2012 (updated: 2018)

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