

## William H. Howell Collection

Dates: 1882-1945

Collection Reference Code Element: HowWH

The Alan Mason Chesney Medical Archives  
5801 Smith Avenue, Suite 235  
Baltimore, MD 21209  
4107356800  
<https://medicalarchives.jhmi.edu/>

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Processing Information: The William H. Howell Collection was cataloged in 2017 by Dubray Kinney under the direction of Phoebe Evans Letocha.

### Collection Overview

**Extent:** 4 linear feet

**Creator:** Howell, William H. (William Henry), 1860-1945.

#### Administrative/Biographical History:

William H. Howell

20 Feb 1860-6 Feb 1945

William H. Howell was born in Baltimore. He attended the Johns Hopkins University as an undergraduate and graduate student, receiving his A.B. in 1881 and his Ph.D. in 1884. He was a faculty member at the Johns Hopkins University from 1884 until 1889, and then served on the faculties of the University of Michigan and Harvard University. He returned to Johns Hopkins in 1893 to become the first professor of physiology in the school of medicine. Howell succeeded Osler as dean of the medical faculty in 1899 and held the position for twelve years. In 1918, Howell was appointed assistant director, and later director, of the newly formed school of hygiene and public health, where he remained until his retirement in 1931. He was the author of the *Textbook of Physiology for Medical Students and Physicians*. Most of Howell's research was devoted to the physiology and pathology of blood. He was also a leader in curriculum reform and was an early and ardent advocate for the standardization of medical education throughout the United States.

**Chronology:** 1884-1889 - Johns Hopkins University  
1893-1945 - Johns Hopkins University School of Medicine  
1918-1931 - Johns Hopkins University School of Hygiene and Public Health

#### Scope and Content:

The William H. Howell Collection spans his entire career. Series include correspondence (1897-1937), laboratory notebooks (1907-1935), reprints (1884-1945), manuscripts, bibliographies, and research notes. Memorabilia include diplomas, certificates, and Howell's academic cap and gown. The collection is a resource for studying the development of physiology at Johns Hopkins. Additional original material pertaining to Howell can be found in correspondence of the Office of the Dean from both the school of medicine and the school of hygiene .

**Accruals Description:** 2007-101

**Language:** English

## Table of Contents

Series Material Culture related to William H. Howell

Box 1 Correspondence, Laboratory Notebooks, Reprints, Clippings

Box 2 Reprints, Bibliographies, List of Researchers

Box 3 Addresses and Manuscripts, Physiology Department Records

Box 4 Certificates

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### Series : Material Culture related to William H. Howell

**Scope and Content:** Material Culture related to William H. Howell include his academic regalia, an oil portrait of Howell by Cecilia Beaux, bas-relief portraits and commemorative plaques.

**Archival Arrangement:** Objects are cataloged individually.

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### Box 1: Correspondence, Laboratory Notebooks, Reprints, Clippings

#### Folder 1: Correspondence Dr. J. Billings - 1879

**Scope and Content:** William H. Howell, J. S. Billings

#### Folder 2: Correspondence (on loan) O. Frank - 1935

**Scope and Content:** William H. Howell, Otto Frank

#### Folder 3: Correspondence Dr. Osler - 1911

**Scope and Content:** William H. Howell, William Osler

#### Folder 4: Correspondence Frost - 1919

**Scope and Content:** William H. Howell, W. Frost

#### Folder 5: Correspondence (on loan) F. Rich - 1931

**Scope and Content:** William H. Howell, Oswald R. Rich

#### Folder 6: Correspondence (on loan) Frost - 1931

**Scope and Content:** William H. Howell, W. Frost

#### Folder 7: Correspondence Daniel Gilman - 1879

**Scope and Content:** William H. Howell, D. C. Gilman

**Folder 8: Correspondence (on loan) J. Johansson - 1935**

**Scope and Content:** William H. Howell, J. E. Johansson

**Folder 9: Correspondence (on loan) C. McDowell - 1935**

**Scope and Content:** William H. Howell, C. McDowell

**Folder 10: Correspondence (on loan) Dr. H. Sewall - 1931**

**Scope and Content:** William H. Howell, H. Sewall

**Folder 11: Correspondence Dr. H. Sewall - 1920 - 1937**

**Scope and Content:** William H. Howell, H. Sewall

**Folder 12: Correspondence (on loan) R. Strong - 1935**

**Scope and Content:** William H. Howell, Richard Strong

**Folder 13: Correspondence (on loan) - 75th Birthday - 1935**

**Scope and Content:** William H. Howell, B. Luckhard, Margaret Vickers, Leonard Vickers, Preston Kyes, W. Mansfield Clark, R. R. Hyde, H. Bunting, Mont R. Reid, Dusser de Barenne, Rufus Cole, Charles R. Austrian, Frank R. Lillie, Reginald M. Atwater, Henry R. Obrien, Watson Sellards, W. W. Duke, J. H. Garrison, George Dewey, Rufino, George C. Dunham, Bievenido M. Gonzales, Jose Guidote, Ariston J. Hermano, Eugenio Hernando, Mariano Icasiano, H. Lara, Enqiruge T. ochoa, Regino Padua, Fidel del Rosario, Teodule Topacio, Clark H. Yeager, D. Bayne-Jones, Raymond G. Brady, Walter R. Miles, Simon Flexner, Ethel Rask, Clennie E. Bailey, H. C. Sherman, W. H. Frost

**Folder 14: Correspondence (on loan) - 75th Birthday - 1935**

**Scope and Content:** William H. Howell, J. Pavlov, Wu Lien-teh, Abraham Flexner, Hynek Pelc, John Ferrell, M. Roseman, Frederick Christopher, Hertbert M. Evans, C. A. Baer

**Folder 15: Correspondence (on loan) Huntington Williams - 1931**

**Scope and Content:** William H. Howell, Huntington Williams

**Folder 16: Newsclippings (on loan) - 1935**

**Scope and Content:** William H. Howell, Clippings from 1935 Johns Hopkins News-Letter

**Folder 17: Newsclippings - 1945**

**Scope and Content:** William H. Howell, Clippings from: The Baltimore News-Post, The New York Times, Science, Science News Letter

**Folder 18: Laboratory Notebook - 1907 - 1913**

**Scope and Content:** William H. Howell, Laboratory Notes of William H. Howell

**Folder 19: Laboratory Notebooks - 1933 - 1934**

**Scope and Content:** William H. Howell, Laboratory Notes of William H. Howell

**Folder 20: Laboratory Notebooks - 1934 - 1935**

**Scope and Content:** William H. Howell, Laboratory Notes of William H. Howell

**Folder 21: Reprints "Experiments Upon the Heart of the Dog" - 1884**

**Scope and Content:** William H. Howell, Reprint of "Experiments Upon the Heart of the Dog"

**Folder 22: Reprints "Occurrence, Structure + Function" - 1890**

**Scope and Content:** William H. Howell, Reprint of "Occurrence, Structure, and Function of the Giant Cells of the Marrow"

**Folder 23: Reprints "Life History..." - 1890**

**Scope and Content:** William H. Howell, "Reprint of, "The Life History of the Formed Elements of the Blood, Especially the Red Blood Corpuscles"

**Folder 24: Certificates**

**Scope and Content:** Certificates of William H. Howell

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**Box 2: Reprints, Bibliographies, List of Researchers**

**Folder 1: Reprints "Degeneration + Regeneration..." - 1892**

**Scope and Content:** William H. Howell, Four reprinted copies of "A Physiological, Histological, and Clinical Study of the Degeneration and Regeneration in Peipheral Nerve Fibres after Severance of Their Connections with the Nerve Centres"

**Folder 2: Reprints "Inorganic Salt..." - 1893**

**Scope and Content:** William H. Howell, 7 reprints of, "Action of the Inorganic Salts of Serum, Milk, Gastric Juice, Etc., Upon the Isolated Working Heart, With Remarks Upon the Causation of the Heart-Beat"

**Folder 3: Reprints "Stimulation + Changes in Temp..." - 1894**

**Scope and Content:** William H. Howell, Reprint of, "The Effect of Stimulation and of Changes in Temperature Upon the Irritability and Conductivity of Nerve-Fibres"

**Folder 4: Reprints "Relation of Blood..." - 1898**

**Scope and Content:** William H. Howell, Reprint of, "On the Relation of the Blood to the Automaticity and Sequence of the Heart-Beat"

**Folder 5: Reprints "Physiology of Sleep" - 1897**

**Scope and Content:** William H. Howell, 2 reprints of "A Contribution to the Physiology of Sleep, Based Upon Plethysmographic Experiments"

**Folder 6: Reprints "Physiology in Med Schools..." - 1900**

**Scope and Content:** Reprint of, "Introduction in Physiology in the Medical Schools"

**Folder 7: Reprints Problems of Physiology - 1904**

**Scope and Content:** William H. Howell, Reprint of "Problems of Physiology of the Present Time"

**Folder 8: Reprints "Expts on Mammalian Heart..." - 1906**

**Scope and Content:** William H. Howell, Reprint of, "Experiments on the Isolated Mammalian Heart to Show the Relation of the Inorganic Salts to the Action of the Accelerator and Inhibitory Nerves"

**Folder 9: Reprints "Amino Acids..." - 1906**

**Scope and Content:** William H. Howell, "Note Upon the Presence of Amino Acids in the Blood and Lymph as Determined by the B Naphthalinsulphochloride Reaction"

**Folder 10: Reprints "Vagus Inhibition..." - 1908**

**Scope and Content:** William H. Howell, Reprint of, "The Effect of Vagus Inhibition on the Output of Potassium from the Heart"

**Folder 11: Reprints "Proteids of the Blood..." - 1906**

**Scope and Content:** William H. Howell, Reprint of, "The Proteids of the Blood with Especial Reference to the Existence of a Non-Coagulable Proteid"

**Folder 12: Reprints "Stimulation of the Accelerator Nerve" - 1908**

**Scope and Content:** William H. Howell, Reprint of "Note Upon the Effect of Stimulation of the Accelerator Nerve Upon the Calcium, Potassium, and Nitrogen Metabolism of the Isolated Heart"

**Folder 13: Reprints "Gilman + Medical Education" - 1909**

**Scope and Content:** Reprint of, "The Relation of President Gilman to Medical Education"

**Folder 14: Reprints "Clotting of the Blood" - 1912**

**Scope and Content:** Reprint of, "The Factors Concerned in the Process of the Clotting of Blood"

**Folder 15: Reprints "Hemophilia, Thrombosis + Purpose" - 1914**

**Scope and Content:** Reprint of, "The Condition of the Blood in Hemophilia, Thrombosis and Purpura"

**Folder 16: Reprints "Temp + Thrombin + Antithrombin" - 1914**

**Scope and Content:** Reprint of, "Note on the Effect of Temperature Upon the Action of Thrombin and Antithrombin"

**Folder 17: Reprints "L'action Photodynamique" - 1921**

**Scope and Content:** Reprint of, "Ce volume est dedie a Leon Fredericq"

**Folder 18: Reprints "Heporin" - 1924**

**Scope and Content:** Reprint of, "The Purification of Heparin and its Presence in Blood"

**Folder 19: Reprints "Coagulation..." - 1925**

**Scope and Content:** Reprint of, "The Problem of Coagulation"

**Folder 20: Reprints "Hematoporphyrin" - 1928**

**Scope and Content:** Reprint of, "The Photodynamic Action of Hematoporphyrin"

**Folder 21: Reprints "Humidity + Comfort" - 1931**

**Scope and Content:** Reprint of, "Humidity and Comfort"

**Folder 22: Reprints "Hemophilic Blood..." - 1931**

**Scope and Content:** Reprint of, "Does Hemophilic Blood Contain an Excess of an Anticoagulant?"

**Folder 23: Reprints "Blood Coagulation" - 1935**

**Scope and Content:** Reprint of, "Theories of Blood Coagulation"

**Folder 24: Reprints "Defibrination..." - 1937**

**Scope and Content:** Reprint of, "The Effect of Defibrination and of Peptone Injections on the Production of Blood-Platelets in the Lungs"

**Folder 25: Reprints "Advances in Problem of Blood Coagulation..." - 1941**

**Scope and Content:** Reprint of, "Recent Advances in the Problem of Blood Coagulation Applicable to Medicine"

**Folder 26: Reprints "Isolation of Thromboplastin from Lung Tissue" - 1945**

**Scope and Content:** Reprint of, "The Isolation of Thromboplastin from Lung Tissue"

**Folder 27: Reprints - by others "Heparin: Dess Kemi, Fysiologi, Och Klinik" - 1938**

**Scope and Content:** Reprint of, "Heparin Dess kemi, fysiologi och klinik"

**Folder 28: Reprints Bibliography, List of Publications, List of Researches - 1882 -1939**

**Scope and Content:** List of Researches between 1882 - 1939, List of Publications by William H. Howell

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**Box 3: Addresses and Manuscripts, Physiology Department Records**

**Folder 1: Manuscripts + Addresses: Development of Physiology Address**

**Scope and Content:** Manuscript of, "The Development of Physiology During the Past Twenty-five Years and Dr. Cannon's Influence Upon It"

**Folder 2: Manuscripts + Addresses: Dr. Newell Martin - Address**

**Scope and Content:** Address of Newell Martin

**Folder 3: Manuscripts + Addresses: Dinner for Dr. Brooks Address - 1967**

**Scope and Content:** Dinner for Dr. Brooks Address

**Folder 4: Manuscripts + Addresses: Address - Banquet of AFGB**

**Scope and Content:** Address by Dr. William H. Howell of Johns Hopkins University before the banquet of the American Federation of Experimental Biology

**Folder 5: Miscellaneous: Election to American Philosophic Society - 1903**

**Folder 6: Miscellaneous: Opening of Rockefeller Inst. Labs - 1906**

**Folder 7: Manuscripts + Addresses: The Clotting of Blood**

**Scope and Content:** Notes on the clotting of blood.

**Folder 8: Miscellaneous: Mtg. of Med. Hist. Club - 1939**

**Scope and Content:** Invitation for the John Hopkins Medical History Club meeting.

**Folder 9: Miscellaneous: Semicentennial of American Physiological Society - 1937**

**Scope and Content:** History of the American Physiological Society Semicentennial (1887 - 1937)

**Folder 10: Miscellaneous: Dinner in Howell's Honor - 1941**

**Scope and Content:** Program for Dinner given in honor of William H. Howell

**Folder 11: Miscellaneous: 60th anniversary of Dr. Howell's graduation - 1941**

**Scope and Content:** Invitation to, "The Celebration of the Sixtieth Anniversary of Dr. William H. Howell's Graduation from The Johns Hopkins University"

**Folder 12: Miscellaneous : Biographical memoir by J. Erlanger - 1950**

**Scope and Content:** Biographical memoir of Willian Henry Howell (1860 - 1945)

**Folder 13: Miscellaneous: Notecards**

**Scope and Content:** Multiple notecards pertaining to William H. Howell

**Folder 14: Miscellaneous: Anniversary Tribute to Dr. Howell - 1961**

**Scope and Content:** Program for, "An Anniversary Tribute to the Memory of the Late William Henry Howell"

**Folder 15: Manuscripts + Addresses: Physiology in America**

**Scope and Content:** Notes on Physiology in America

**Folder 16: Manuscripts + Addresses: Autobiographical Sketch**

**Scope and Content:** Autobiographical notes on William H. Howell

**Folder 17: Manuscripts + Addresses: Early Days in the Biological Laboratory**

**Scope and Content:** Notes on the Early Days in the Biological Laboratory

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**Box 4: Certificates**

**Artifacts**