



McMaster (Philip D.) papers

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Summary Information

Repository:	Rockefeller Archive Center
Creator:	Rockefeller Institute for Medical Research
Creator - aut:	McMaster, Philip Duryee
Creator:	Rockefeller University
Title:	Philip D. McMaster papers, Rockefeller University Faculty
ID:	FA179
Date [inclusive]:	1919-1973
Physical Description:	8 Cubic Feet 17 boxes, 5 volumes, 1 package
Language of the Material:	English

Preferred Citation

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Biographical/Historical note

Philip Duryee McMaster, 1891-1973, scientist worked in pathology and microbiology at The Rockefeller University (earlier RIMR) from 1919 until his death in 1973.

[Note: re Dr. McMaster's middle name: In the N.A.S. Biographical Memoir by Walther F. Goebel, "Duryée" is accented as indicated. Following an inquiry by Carol Moberg in connection with the printing of the Philip D. McMaster Lecture program, a check was made of documents in Dr. McMaster's file, (Boxes 1 and 2). No evidence of Dr. McMaster's use of the accented form was found. Mrs. McMaster also told Carol Moberg that Dr. McMaster did not put an accent on his middle name. C. Kopp, 16 April 1985]

Biographical note

1891	Born September 14, Chestnut Hill, Philadelphia, Pa.
1914	B.S. Princeton University
1918	M.D. University of Pennsylvania Medical School
1917-18	Resident Physician University Hospital, Philadelphia
1918	Commissioned 1st Lieut. M.O.R.C.U.S. Army
1919	Fellow, Rockefeller Institute for Medical Research, N.Y.
1920	Assistant, RIMR
1922	Associate, RIMR
1926	Associate Member, RIMR
1951	Member, RIMR
1956	Member and Professor, Rockefeller University, N.Y.
1963	Member and Professor Emeritus, RU
1973	Died March 20, MT. Kisco, N.Y.

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Arrangement note

Arranged in chronological order, within subject.

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File Plan note

Former Classification: I 450 M227

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Administrative Information

Publication Statement

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15 Dayton Avenue

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URL: <http://www.rockarch.org>

Revision Description

Paper finding aid converted to EAD/XML by AureXus in 2010. Imported into the Archvists' Toolkit by Becky Robbins. 2010 September 21

Conditions Governing Access note

Papers have been presented as an unrestricted gift to The Rockefeller University by Mrs. Philip Duryee McMaster. Literary and property rights in unpublished writings have been dedicated to the public.

Immediate Source of Acquisition

The bulk of this collection was received or inventoried: 1973 October-1974 January. One folder (administrative correspondence, box 17) was received or inventoried 1980 June.

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Controlled Access Headings

- Diseases

- Medicine, Preventive
- Prevention and health
- Pathology
- Microbiology
- Biology -- Research
- Medical sciences
- Medical research
- Life sciences
- Cell and biomolecular sciences
- Rockefeller Institute for Medical Research
- McMaster, Philip Duryee
- Rockefeller University

Physical Characteristics and Technical Requirements

Materials requiring specialized equipment for access (film, audio, video, slides) may be closed to research dependent on availability of the applicable equipment

Brittle or damaged items, or materials otherwise in need of preservation care, may be closed to researchers at the discretion of the RAC Head of Archival Services/Head of Reference.

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Collection Inventory

Biographical material; personal and official correspondence

Scope and Contents

Letters sent and received.

Arrangement

Chronologically arranged.

Title/Description	Instances
Biography; bibliography	box 1
Scope and Contents	
Significance of work (earlier and later editions including draft copies) as written by Dr. McMaster. Identification cards: Civil Defense; Coast Guard; War Manpower	

Commission; U.S. Naval Receiving Station; OSRD
Research Committee

Autobiographical notes	box 1
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Scope and Contents note

Transcribed from tape as read by Elizabeth McMaster from draft copy by Dr. McMaster. Includes some recollections by Mrs. McMaster Also bound vol. of autobiography.

Photographs	box 1
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Scope and Contents

Official also includes snapshots taken by Dr. McMaster demonstrating interest in sailing, early interest in sports, and in nature: also some family snapshots

Early laboratory drawings, undated	box 1
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Selected quotations as collected and kept by Dr. McMaster	box 1
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Death: RU obituary and obituary from Princeton Alumni Weekly , 1973 July 3	box 1
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Scope and Contents

Some letters of condolence and some correspondence between Elizabeth McMaster and RU Library

John Bach McMaster (father), 1925 March 10	box 1
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Scope and Contents

Includes some publications, program of Testimonial dinner; signed typescript of letter 1925 March 10 from Alexander McAdie on Benjamin Franklin controversy. Some correspondence in regard to deposit of Papers and work on biography

Personal correspondence	box 1
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Scope and Contents note

Early letters deal with medical school and career decisions.

Includes 1914 Certificate of registration as alien in England; 1929-30 appointment from Harvard as Research Fellow in Psychiatry and two letters April 1930 from I.S. Ravdin as to possible interest in a return to the University of Pennsylvania. Correspondence dealing with war-time attempt to form a group for research in aviation medicine with notes on possible subjects for study; correspondence dealing with request for delayed birth certificate. Primarily correspondence deals with matters of family health, housing, insurance, daughter's tuition.

Includes 1947 Dec. 18 election to New York Academy of Sciences and 1956 letter signed by D.D. Eisenhower on joining Committee of the Arts and Sciences for Eisenhower.

Correspondents include: Abell, Richard G.; Beck, James M.; Bond, Earl D.; Boots, Ralph H.; Bronk, Detlev W.; Hektoen, L.; Hoagland, Charles L.; Hogeboom, G.H.; Krumbhaar, Edward B.; Lewis, Paul Adin; Lewis, William Hall; Opie, Eugene L.; Pearce, Richard Mills; Ragle, B. Harrison; Ravdin, I.S.; Richards, A. Newton; Rockefeller, David; Taylor, Harden F.

Letters of congratulation on becoming Member of RIMR from: May Dwight, Frank Horsfall, Jr., Duncan MacInnes, Henry Parsons, W.J.V. Osterhout, Walter A. Jacobs, Robert A. Moore, John Kidd, Albert Casey, Philip Levine, D.W. Woolley.

Goebel, Walther. "Biographical Memoir," National Academy of Sciences, v. 50 (1979) 287-308 (2 copies).

1915-1952

1953-1972

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Personal items; official correspondence

Title/Description	Instances
Personal items; official correspondence	box 2
Princeton Class of 1914. Primarily Princeton University Foundation 1952-1956, 1914 1952-1956	
National Academy of Sciences, 1952-1970	
Scope and Contents note	
Includes typescript signed letter, 1962 Jan. 1 from Detlev Bronk on future role for President of the Academy.	
Peyton Rous portrait	
Scope and Contents note	
Letters covering contributions from Rufus Cole, Simon Flexner, John Northrup, Eugene L. Opie, Frank Horsfall, Alfred E. Cohn.	
Includes copy of remarks sent to Sir Christopher Andrews on work done with Rous.	

Letters of recommendation/Condolence letters

Scope and Contents note

Primarily recommendations for membership in the Century Club and Riverside Yacht Club. Condolence letters are drafts and recipients not always clear. Some recommendations for Heart Association Career Fellowships. Recommended for grants are: Boehme, Diethelm; Drury, Douglas R.; Harris, T.N.; Zweifach, Benjamin W.

Laboratory worker: Heinz Kruze, 1942-1962

Scope and Contents note

Includes old time sheets and cancelled checks on money loaned.

Laboratory associates

Scope and Contents note

Miscellaneous material including correspondence, recommendations and condolences. Letter from R.J. Bachvaroff is summary of laboratory experiences.

Arrangement note

Arranged in alphabetical order: Bachvaroff, R.J.; Carter. Thelma; Gaghan, William J.; Kopech, G. (Mrs. Franzl); Leckband, Eva (Wolfe); Marchalonis, John; Morello, Josephine; Moser. Lawrence; Nikitovitch, Miroslava; Pomarico, John; Primosigh Joseph V.; Strum, Ernest; Szutu, Gloria; Van Cleve, James.

Laboratory assistant: Joshua Edwards. Correspondence, 1952-1956

Laboratory assistant: Robert Franzl

Scope and Contents note

Grants, reports of work done and manuscripts of published work or presentations.

Administrative correspondence, 1935-1972

Scope and Contents note

Includes some form announcements and 1952 Apr. 2 letter from David Rockefeller and 1952 May 20 copy of reply on future direction of RI on retirement of Herbert Gasser. Photocopy of 50 year certificate from RU 1969 Apr. 8, 1969 October reply to Frederick Seitz on outstanding "alumni" of laboratory and University and accomplishments.

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Correspondence, 1914-1959

Title/Description	Instances
Correspondence, 1914-1937 1938-1941 1942-1948 1949-1951 1952-1955 1956-1959	box 3

Arrangement

Chronologically arranged.

Scope and Contents note

Letters sent and received. Consists of exchange of scientific information, requests for reprints and explanations of some laboratory techniques; invitations to serve on committees, requests for opinions on submitted manuscripts or grant requests; requests to prepare articles or present papers, sponsorship of papers, academic recommendations or award recommendations.

Correspondence arranged chronologically include: Abell, Richard ; Abramson, Harold A. ; Aronson, Joseph D. ; Aub, Joseph C. ; Batty, Irene ; Beard, Joseph W. ; Behney, Charles ; Benishek, Maria S. ; Birkhaug, Konrad E. ; Blalock, Alfred ; Blankenhorn, M.A. ; Bukantz, Samuel C. ; Burch, G.E. ; Coca, Arthur F. ; Coggeshall, L.T. ; Coons, Albert H. ; Cope, Oliver ; Cotzias, G.C. ; Cowdry, E.V. ; Custer, R.P. ; Cutler, John ; DeBakey, Michael ; Drinker, Cecil K. ; Drury, Douglas ; Dulaney, Anna Dean ; Eagle, Harry ; Ebert, James D. ; Edwards, Joshua ; Ehrich, William ; Elman, Robert ; Engel, George L. ; Farr, Lee E. ; Fanchini, Joseph ; Freund, Jules ; Friedenwald, W.F. ; Fulton, J.F. ; Furcolow, Michael L. ; Gabrieli, Elemer ; Gates, Thomas ; Goffman, John ; Gowans, J.L.; Graham, Evarts A. ; Griffith, John Q. ; Harris, T.N. ; Hertzman, Alrick B. ; Himwick, Harold E. ; Hinsey, Joseph C. ; Homans, John ; Hopkins, J.G. ; Hudack, S. ; Humphrey, J.H. ; Irwin, John W. ; Ivy, A.C. ; Kern, Richard A. ; Kukita, Kazuko; Landis, Eugene M. ; Langevoort, H.L. ; Latta, Harrison; Lederberg, Joshua; Lowenberg, Eugene L. ; Luck, J. Murray; Lurie, Max B. ; Lyon-Caen, L. ; McLean, Douglas; Maddock, Stephen; Miles, A.A. ; Minot, George R. ; Moon, V.H. ; Morgan, Herbert R. ; Parks, Edwards A. ; Parsons, Robert; Raffel, Sidney; Ragle, B. Harrison; Raddin, I.S. ; Rees, Leslie W. ; Robertson, J.S. ; Salin, Lothan; Samter, Max; Scheibel, Inga; Schlesinger, R. Walter; Schmidt, Carl F. ; Selye, Hans; Small, H.A. ; Smith, F. ; Smith, H.P. ; Sutliff, W.D. ; Taliaferro, William H. ; Thorbecke, G.J. ; Voigt, Wilhelm; Wade, H.W. ; Walker, Leonard A. ; Walser, MacKenzie; Wangenstein, Owen H. ;

Weech, A.A. ; Wertheim, A.R. ; Wolbach, S. Bert; Wright,
Irving Sherwood; Zweifach, Benj. W.

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Correspondence, 1960-1970

Title/Description	Instances
Correspondence, 1960-1970	box 4

Special techniques

Scope and Contents

Notes and protocols for staining techniques, preparation of dyes; production of antibodies; to make Saline Formalin; technique for peritoneal exudate; Feulgen reaction

Notes on literature searches

Scope and Contents

Notes on and questions concerning techniques and results reported in published literature. Subjects include antibody formation, antigen tracers, aviation medicine, blood proteins, and the anamnestic reaction, corisone effects, sea sickness, skin absorption, spreading factors, trigger mechanisms.

Notes on ideas found in published literature

Scope and Contents

Includes ideas for experimental follow-up.

Arrangement

Filed as found but not labeled, sorted, or arranged.

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Budgets and Reports to Director

Arrangement

Chronological

Title/Description	Instances
Budgets and Reports to Director	box 5

Budgets, 1952-1966

Scope and Contents note

Consists of correspondence, special requests and allowances and budget sheets.

Animal House Committee

Scope and Contents note

Includes reports on minimum and optimum standards for care of laboratory animals; correspondence from faculty and copy of remarks made by Dr. McMaster 1958 January 6 meeting of "Animal House Committee".

Notes on Reports to Director, undated

Arrangement

No arrangement.

Reports to Director

1933-1941

1942-1945

1946-1949

1950-1954

1955-1956

1957-1967

War work research period with Dr. Gasser, 1937-1938
1942-1945

Scope and Contents note

Consists of some final forms but primarily first drafts handwritten and edited copies.

Includes also draft of 1937-1938 illustrated report made to the Corporation.

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Laboratory records and notes on experiments, 1932-1946, 1936-1950, 1951-1953, 1953-1963

Scope and Contents

Some folders also include literature references and notes regarding points for discussion, for reports or for papers.

Title/Description

Instances

Laboratory notes, 1932-1946	box 6
Scope and Contents note Records of experiments recorded on cards. Many with photographs (prints and negatives) and some slides.	
Laboratory records and notes, 1936-1950	
Data on sections, 1936-1950	box 7
Scope and Contents note Includes normal; human albumin transfer; plain albumin transfer; duration of antigen in serum.	
Pressure of injection and protocol, 1936-1939	box 7
Color experiments - horse serum, 1940	box 7
Rate of lymph flow in rabbit ears and thermocouple readings, 1941-1942	box 7
Studies on burns 1941-1942 Report 1946-1947, 1941-1942 1946-1947	box 7
Dyes in patient, 1947	box 7
Local hypersensitivity, 1947-1948	box 7
Final Color experiment, 1941 September-December	box 7
Persistence of antigen and active anaphylaxis Series I-II, 1949 June-1950 June	box 7
Scope and Contents note Includes attempt to use Dr. Dole's photoelectric cell (discarded) 1949-1950.	
Titration of ear reactions to HA (Human Albumin), 1950 April-June	box 7
Persistence of antigen and antibody in HA color I	box 7
Swiss mice series for optimum "shocking dose", 1949, for intraperitoneal test; for anti pneumococcus serum; for horse serum, 1950, 1949-1950	box 7
Laboratory records and notes	
Cells vs Plasma; transfer of plain human albumin and or E-AP-H dye protein, 1950 September-1951 April	box 8
Antigen vs liver, 1951 July-December	box 8

Scope and Contents note

Includes readings by Merrill Chase and some notes of work done by son of P.D. McMaster called "Palook's exp.".

Antigen in mouse blood. BRVR Exp. 1-35, 1951 September-October	box 8
Transfer of antibody, 1951 August-September 1955	box 8

Scope and Contents note

Includes experiments on non-precipitating antibody, 1955.

Drop in passive reversed anaphylaxis, 1951 October	box 8
EVR tests with fractionated anti-sera, 1951 November-1952 January	box 8
Liver vs spleen persistence of T-1824 vs. E-AP-G, 1951-1952	box 8
Liver vs spleen by EVR, 1952 January-May	box 8
Use of active EVR-AnaS response for persistence of antigen, 1952 April-June	box 8
Serotonin experiments 1-15, 16-23, 1952 May-June	box 8
Rabbit Liver transfers, 1951-1953	box 8
Rabbit serum transfers, 1953	box 8
Adrenalectomy, 1952-1953	box 8
Swiss mice controls, 1953 January-February	box 9
Hyper-immunized Mice E-AP-G, 1952-1953	box 9
Hyperimmunity notes, discussion, checks to be run	box 9
Antigen for challenge, 1953 October-November	box 9
COIR (Cause of Injection Reaction), 1953 September-December	box 9
Active anaphylactic shock, 1953 March-1954 January	box 9
Sensitivity of mouse transfer test for antibody, 1955 January-July	box 9

Scope and Contents note

Includes Apr. 1955 experiment for non-precipitating antibodies.

Cortisone experiments. History of G series Recipients and donors, 1954-1956	box 9
Secondary response Decadron (SRD) 1959 Dec.-Jan. 1961 Secondary response to intra peritoneal particulate antigen under the influence of Decadron, 1959 December-1961 January	box 9

Endotoxin; Comparison of intra venous and intra peritoneal methods in spleens and nodes; L-K phenomena, 1960-1963

box 9

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Talks, lectures, symposia

Scope and Contents note

Staff meeting presentations; student talks; lectures and symposia.

Handwritten and typewritten drafts and correspondence concerning arrangements.

Title/Description	Instances
Group of handwritten notes of materials presented at staff meetings and later used for student talks	box 10

Scope and Contents note

Includes introduction notes for Cecil Drinker's Harvey Lecture, notes for presentations of various talks where prepared paper not needed. Subjects include: urobilin, interstitial pressures, spread of dye with or without pressure or obstruction, human cutaneous phenomena, persistence of antigens, liver lymphatics, bile flow and anti-viral properties.

Miscellaneous notes and outlines used on assorted occasions	box 10
Material for student talks	box 10

Scope and Contents note

Includes transplantation immunity, tracer antigens, sites of antibody formation, mechanism of antibody formation.

Drafts and corrected copy of three lectures to Florida students, 1956-1959	box 10
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Scope and Contents note

Includes notes as used at various times with pages added and omitted 1956-1957 Florida talks finally presented in 1959.

Albany talk: Gall bladder and bile, undated	box 11
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Scope and Contents note

Handwritten notes.

Harvey lecture "Lymphatic Participation in Cutaneous Phenomena", 1942 April 16	box 11
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Scope and Contents note

Includes typescript copy; typescript of notes for lecture, reprint and glossy photos used and correspondence.

Memorial Hospital meeting on "H", 1942 November 20

box 11

Scope and Contents

Typescript of corrected remarks

Conference on Lymph, New York Academy of Sciences, 1945
April 13-14

box 11

Scope and Contents note

Correspondence dealing with arrangements for conference made by Dr. McMaster and copy of preprinted manuscripts.

Roger Morris Memorial Lecture. Academy of Medicine of Cincinnati, "The Lymphatics of the Skin in Defense of the Body against Injury and Infection", 1948 March 2

box 11

Scope and Contents note

Includes correspondence with M.A. Blankenhorn on arrangements and handwritten note to P.R. (Peyton Rous?) after the event.

Includes handwritten notes and some typewritten material.

American College of Allergists, "Anaphylactic Shock in Mice Induced by a Traceable Colored Antigen", 1948 March 13

box 11

Scope and Contents note

Includes correspondence on arrangements, typescript notes and typescript carbon of manuscript as it appeared in JEM.

American Assoc. of Immunologists Symposium, "Site of Antibody Formation", 1948 March 17

box 11

Scope and Contents note

Includes correspondence as chairman with participants also notes for introductory presentation.

Dupont Medical Meeting, "Some Activities of Lymphatics of the Skin", 1948 October 26

box 11

Scope and Contents note

Includes correspondence and carbon typescript summary of remarks.

New York Academy of Sciences, "Physiological Conditions existing in Connective Tissue", 1948 December 3-4

box 11

Scope and Contents note

Includes notes for presentation.

Society of American Bacteriologists, "Sites of Antibody Formation", 1950 May 14-18	box 11
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Scope and Contents note

Includes correspondence and carbon typescript "without last minute corrections".

New York Academy of Medicine Symposium, Nature and Significance of the Antibody Response. "Sites of Antibody Formation", 1951 March 21-22	box 11
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Scope and Contents

Correspondence, notes and carbon typescript of chapter in volume edited by A.M. Pappenheimer

American Assoc. of Immunologists, "Labeled Antigens and Antibodies", 1951 April 29-May 3	box 11
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Scope and Contents note

Includes correspondence and typescript notes for presentation.

National Institutes of Health Symposium, 1961 March 31	box 11
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Scope and Contents

Conference on recent advances in the knowledge of adrenocortical hormones: "Effect of Adrenocortical Steroids upon Antibody Formation" Correspondence, notes for talk, holograph notes on laboratory work, typescript carbon of manuscript for Metabolism

Princeton University Class of 1914, "Medical Progress since 1914: Here Today! Gone Tomorrow? " Handwritten notes and draft, 1962 January 19	box 11
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Peyton Rous Memorial Address, 1970 May 19	box 11
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Scope and Contents

Photocopy of address; carbon typescript of report on work of McMaster with Rous; handwritten notes and drafts, handwritten drafts of condolence letter to Mrs. R., some letters regarding address.

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Arrangement

Arranged chronologically.

Scope and Contents note

Handwritten and typewritten drafts of publications. Some include laboratory procedures or materials.

Title/Description	Instances
Early manuscripts, "Some Causes of Biliary Infections" and "Studies on Urobilin", undated, 1922-1923	box 12
Scope and Contents including 1922-23 photographs of liver, charts and graphs	
Agglutinen Formation within the Lymph Nodes of Resistant and Susceptible Mice, 1934	box 12
Scope and Contents Typescript, Hudack/McMaster	
"Relation of the Glucose Requirement to the Toxic Symptoms of Liver Deprivation.", 1934	box 12
Tables photographs, handwritten notes for work done under OSRD contract, 1942-1945	box 12
Assorted drafts, typescripts and handwritten charts and tables of Color papers before dividing into two papers	box 12
"Peripheral Vascular Reactions in Anaphylaxis of the Mouse", 1949	box 12
"Distribution and storage of blue antigenic azo proteins in the tissue of mice.", 1949	box 12
"James Bumgardner Murphy" a memorial prepared for the Century Club., 1950	box 12
Persistence in mice of certain foreign proteins and azo protein tracer-antigens derived from them". , 1951	box 12
"Active anaphylaxis to a foreign protein., 1955	box 12
"Impairment of the antigenicity of a protein antigen follow-its injection into rabbits." , 1957	box 12
The behavior of two foreign protein antigens in mice during inhibition of antibody formation by cortisone", 1957	box 12
Florence Rena Sabin; a biographical memoir" written for National Academy of Sciences, 1960	box 12

Scope and Contents note

Includes typescript carbon, report on retirement dinner, copies of obituary and memorial material, correspondence

with co-author, Michael Heidelberger, D.S. Bluemel. Also correspondence with former students and associates.

"Antibody formation", 1961	box 13
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Scope and Contents note

4 folders of literature notes, drafts and typescript carbon copy of manuscript for chapter in The Cell v. 5, edited by J. Brachet and A.E. Mirsky, 1961.

"Effect of bacterial lipopolysaccharides on hemolysin formation in mice.", 1961	box 13
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Scope and Contents

Franzl/McMaster

"The primary immune response in mice, I", 1968	box 13
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"The primary immune response in mice, II", 1968	box 13
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Laboratory photographs

Title/Description	Instances
Rous and McMaster, 1928-1930	box 14
Scope and Contents note Glass negatives of laboratory photographs. Includes Rous work on "Gradient of vascular permeability" and McMaster work on "Lymphatics".	
Card file, 1929-1930	box 14
Scope and Contents to Rous and McMaster glass plates	
Electron micrographs, 1947	box 14
Mounted photographs and illustrations used in talks	box 14
Photographs, 1931-1964	box 15
Scope and Contents note Prints, some negatives, some items have information on photographic technique.	
Leica film on hairing	box 15
Mouse Ear shock movie	

	box 15
H series nos. 50-250	box 15
Information on photographic techniques	box 16
Mounted photos returned from Publisher	box 16
Photos used for talks and demonstrations	box 16
Photos used for chapter on "Antibody formation"	box 16

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"Collected Works"

Photographs; University of Pennsylvania "Distinguished Senior Alumnus" citation package 1

Administrative correspondence, 1952-1973 box 17

Scope and Contents note

It is comprised of Correspondence between Dr. McMaster, Dr. Gasser, Dr. Bronk and Dr. Seitz. A few items are with other administration personnel and several letters are from Mrs. Elizabeth McMaster in setting up a lectureship fund in memory of her husband.

Several letters are concerned with provision for Dr. Franzl's situation when Dr. McMaster becomes Emeritus until Dr. Franzl decides on an appointment elsewhere.

Immediate Source of Acquisition:

Immediate Source of Acquisition

Added in June 1980 from the Office of Faculty and Student records.

Arrangement note

Arranged in chronological order.