This is a guide to one of the collections held by the Osler Library of the History of Medicine, McGill University. Visit the Osler Library Archive Collections homepage for more information.
P99

Name: Boris Petrovich Babkin, 1877-1950

Boris Babkin fonds.- 1914-1948.- 78 cm of textual records.

Biographical Sketch: Boris Babkin was born in Russia, and received his M.D. from the Military-Medical Academy of St. Petersburg in 1904. It was there that he met the pioneering physiologist Ivan P. Pavlov. He worked as Pavlov’s assistant until 1912, and they remained close friends throughout Babkin’s life, and in 1949 he published a biography of Pavlov. From 1912 until 1922, Babkin taught physiology at various Russian Institutes, but in 1922 political considerations forced him into exile in London. After a short period as professor of physiology at Dalhousie University, he joined McGill’s Faculty of Medicine in 1928. This inaugurated an active period of research and publishing, particularly on glandular secretions and the nervous system. After his retirement, in 1942, Babkin continued at McGill as a research fellow in physiology and neurology, and as an associate of the Montreal Neurological Institute.

Custodial History: Old accession number 390.

Scope and Content: The fonds documents mainly Babkin’s professional interests in physiology, especially glandular secretions and the nervous system. The fonds contains correspondence; lecture notes; citations; research notes and papers, including manuscripts sent to him by his colleagues; reprints of scientific articles mainly in Russian; and material used in the preparation of the biography of Ivan Pavlov. The latter contains correspondence with Ivan Petrovich Pavlov and members of his family, 1923-1948; photographs and portraits; and an unabridged typescript copy of Parts 1-3 of Pavlov: a Biography, with manuscript corrections, 1943-1946.

Source of supplied title proper: Based on the documents in the fonds.

Language: The documents are in English and Russian.

Finding Aids: Inventory list available.

General Note: See also McGill University Archives, M.G. 1071 and Osler Library Archives P118. Conservation and description of the fonds to be done.
A GUIDE TO THE PAPERS OF BORIS P. BABKIN

Accession 390

Osler Library of the History of Medicine, McGill University

by

TANIA GORN and PAMELA CLINE, COURSE 405-645A
GRADUATE SCHOOL OF LIBRARY SCIENCE

UNIVERSITY ARCHIVES
McGILL UNIVERSITY
MONTREAL, P.Q.
JANUARY 1976

"Legal Deposit"
FOREWORD

At the suggestion of the staff of the Osler Library of the History of Medicine, I agreed to offer certain suggested practical assignments dealing with collections in that Library when the course 405-645A began in the fall of 1975. Tania Corn and Pamela Cline asked to do a guide jointly, to the papers of the late Professor Boris P. Babkin. Both students had some considerable ability in the Russian language.

A sheet of paper has two dimensions, a volume, three. Somehow or other only the top to bottom measurement was provided in this guide. Otherwise this joint effort provides a reasonably satisfactory guide to an interesting body of material.

John Andreassen
University Archivist

12/12/75
INTRODUCTION

Boris Petrovich Babkin, Professor of Physiology at McGill University from 1928 to 1942, was a prominent figure in the field of physiological research, especially in the area of glandular secretion and the nervous system. Dr. Babkin was a pupil, assistant and life-long friend of Ivan P. Pavlov, of whom he wrote a biography in 1949.

Dr. Babkin was born in Kurak, Russia in 1877. In 1901, he began post-graduate study in the History of Medicine at the Military-Medical Academy in St. Petersburg. Babkin had decided that clinical medicine as such held no interest for him, although the science of medicine itself had great attraction. For this reason, Babkin hoped to combine his study of Medical History with actual experience in its clinical and experimental aspects. In this connection, he first entered the laboratory of Ivan Pavlov at the Institute of Experimental Medicine. Although Pavlov met Babkin's avowal of interest in Medical History, which he considered purely academic, with rather vehement contempt, he nevertheless agreed to let the young Babkin join his laboratory. Babkin was thus initiated into the methods of physiological research in which his interest grew to such an extent that its study, with the time and discipline required, superseded his progress not only in the clinical aspects of medicine, but in Medical History itself.

By 1902, Babkin had decided definitely to become a physiologist. He therefore remained as an assistant in Pavlov's laboratory until 1912. The influence of this period was undoubtedly very great, and is clearly reflected
in the research interests pursued by Babkin for the rest of his life.

In 1912, Dr. Babkin was appointed to the Chair of Animal Physiology at the Agricultural Institute of Novo Alexandria. In 1915, he went to the University of Odessa as Professor of Physiology. However, in 1922, Babkin was forced to leave Russia for political reasons. The details of this episode are obscure. Babkin went to London, where he worked for a time in the laboratory of Sir Ernest Starling. After emigrating to America, Babkin received an appointment as Professor of Physiology at Dalhousie University, Halifax, a position which he held until 1928 when he came to McGill. Babkin was a Research Professor of Physiology at McGill University until 1946, and held the position of Department Chairman in 1940-1941. In addition, he was also a Research Fellow in Physiology from 1942 until 1947. After 1946, Dr. Babkin was associated with the Montreal Neurological Institute and simultaneously was Research Fellow of Neurology at McGill. The year before his death in 1950, Dr. Babkin was awarded the Julius Friedenwald Medal for 1949 by the American Gastroenterological Association.

Throughout his life, Dr. Babkin continued his experimental work and produced many scientific articles. In addition, he and his wife Elena carried on a personal correspondence with Ivan Pavlov and his family. Babkin left a considerable collection of materials to McGill University. In 1968, the Babkin Collection was transferred to the Osler Library from the Department of Experimental Surgery. At that time, the collection consisted of eight boxes and fifteen folders of material, collected or written by Dr. Babkin. The collection included ca. 2,000 reprints, mostly from the 1920's to the 1940's, and nine groups of manuscripts. The decision was made to retain all manuscript material at Osler. The bulk of the reprint collection was then transferred to Dalhousie University, where a collection of reprints
relating to Babkin's interest in the glands of the body, their regulation and control, was established. The Osler Library retained all those reprints in the Russian language, all presentation copies, and all pre-1930 items.

The Babkin Collection now at Osler consists of six boxes of materials. The first two boxes are largely lecture notes and miscellaneous material relating to Babkin's professional interests. Three boxes contain the retained reprints. The sixth box contains materials used by Dr. Babkin in the preparation of his biography of Ivan Pavlov; that is, manuscript correspondence from the Pavlovs, photographs and facsimiles and the typescript copy of the biography itself.

Items 22-27 were donated to Osler Library by Babkin himself ca. 1957. Cf. librarian's Report to Osler Library Board of Curators, March, 1951.

REFERENCES:

The information provided in this introduction was largely drawn from the following sources:


A special thanks is due to Mrs. Tamara Seni of the Osler Library of the History of Medicine, for her kind assistance in the translation of the letters of Seraphima Vasilievna Pavlova.
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GUIDE TO THE BABKIN PAPERS, OSLER LIBRARY, Mcgill University

Box 1 (390/1 to 390/12)

Contains Babkin's lecture notes, correspondence, citations, manuscripts and typescripts, as well as miscellaneous reprints and manuscripts sent to him by colleagues. All notes, manuscripts and typescripts are Babkin's, unless otherwise indicated.

390/1 The Autonomic Nervous System. 4 items. Materials on the autonomic nervous system, including lecture notes, notes on the International Congress in Zurich, 1938, and a review and criticism of a current physiological theory.

1/1 Envelope for Autonomic Nervous System notes, ms/pencil

1/2 Autonomic Nervous System, lecture notes. 234p. (irreg.) 24 cm. n.d. Ms/ink/corr./add./diagrams. Handwriting is indecipherable in parts. Lectures contain: physiology of the autonomic nervous system, history of the autonomic and sympathetic nervous system, adrenal glands, parasympathetic nervous system, histamine, enteric system, relation of drugs to the nervous system, autonomic nervous system and skeletal muscles, influence of electrolytes on the function of the autonomic nervous system, local hormones.

1/3 International Congress, Zurich, August 14-19, 1938, notes, 9p. 19 cm. Ms./ink/add/corr./diagrams. Contains comments on the Congress, the members attending, and the papers presented.


Pancreas, citations. 69 leaves, miscellaneous sizes, n.d. Ms/ink and pencil. Russian, German, French and English citations with Babkin's notes in Russian and English. The literature review includes citations on the following subjects, listed in roughly alphabetical order: adaptation, adrenalin, anatomy, atropine, bloodflow, cholin, composition, ducts, electrical reflection, embryology, excretion, fermente, innervation, insulin, internal and external secretion, acid and hypoglycemia, diabetes and external secretions, hyper and hypoglycemia, methods, microscopical data, pathology, periodical secretions, PH, poisons, pilocarpin, poisons and mineral waters, pylorus, secretin, secretions in man, stimuli, vitamin.

Kidney, 9 items. Materials include lecture notes, announcement and abstract of the Croonian lecture in 1938, and Babkin's criticism of the lecture.


Envelope for lecture notes on the Kidney, ms/pencil


Program of the Croonian Lecture delivered by A.N. Richards at the Royal Society (item 390/4/2.) The program includes an abstract of the lecture, 1p., 21cm., print.

Parathyroid and Gastric Secretion, 6 items. Materials include letter, typescript and manuscript, and index cards outline lectures.

Letter from J. Carl Sutton, M.D., Secretary of the Section for Gastro-Enterology, Montreal Medico-Chirurgical Society, to Dr. Babkin, January 16, 1941. 1p., 27cm., typed. Dr. Sutton invites Babkin to deliver his paper "The Relations between the Parathyroid and Gastric Glands," at the Faculty Club, McGill University, Montreal, on March 13, 1941.
390/5/1/1 Postcard mailed to Babkin on March 10, 1941. 8cm., print. Contains names of speakers at the meeting of the Section for Gastro-Enterology on March 13, 1941.

390/5/2 "The Effect of Parathyroid Hormone and of Activated Ergosterol on Gastric Secretion in the Dog." 13p., 27cm., n.d. Typescript/add./corr.

2/1 Envelope for typescript (390/5/2), MS/pencil

5/3 Index cards outlining the lecture given by Babkin on March 13, 1941 (390/5/1) 11 cards, 3x5, MS/ink.

5/4 Index cards for a lecture at the Royal Society Meeting in 1939, given by Babkin: "Effect of Activated Ergosterol and Parathyroid Hormone on Gastric Secretion in the Dog." (Typescript in 390/5/2)

5/5 "Blood Calcium Level and Gastric Secretion." 7p. 27cm., n.d. MS/ink/add./corr.

390/6 Kidney and Gastric Secretion, 4 items. Materials include citations, a literature review, and letters to Babkin.

6/1 Letter to Babkin from V. Shuman, June 24, 1924, 91 leaves, 22 cm. MS/ink/diagrams. Russian. Shuman describes an experiment in the area of kidney and gastric secretion, and gives details on methods, materials, results and conclusions, as well as a review of the literature beginning with I.P. Pavlov's work.

6/2 Citations, some of them Babkin's, others in various handwritings. 7p., miscellaneous sizes. MS/ink and pencil. Most of the citations refer to works on gastric secretions, gastric juices, and uric acid, many of the articles cited are written between 1892 and 1908; citations are in French, English, German and Russian.

6/3 Envelope containing a negative of a kidney, 23 cm.

6/4 Folder marked 'Kidney and Gastric Secretion', containing 2 citations on the relation between gastric and renal diseases. Experiments cited were conducted in 1932 and 1933. MS/ink and pencil. Not Babkin's handwriting.

390/7 "The Amount of Secretory Tissue in the Small Intestine" by C.P. Martin and J. Banks. 7p., 27 cm., n.d. Typescript/tables

7/1 Envelope for Martin and Banks' paper, marked "On Intestinal Mucosa" and addressed to Babkin. MS/pencil
Meeting of National Gastro-Enterological Association, June 4, 5, 6, 1940. 5 items. Materials include letter, program, manuscript and typescript.

Letter to Babkin from Henry Kendall, M.D., Chairman of the Program Committee of the National Gastro-Enterological Association, April 5, 1940. 1p. 27cm., typed. Invitation to attend banquet on June 5, 1940, at Hotel Roosevelt, New York.

Programs of the Fifth Annual Convention of the National Gastro-Enterological Association, June 4, 5, 6, 1940, at the Hotel Roosevelt, New York. Include notice of Babkin's paper to be presented on June 5: "The Influence of the Parathyroid Glands on the Secretory Processes of the Stomach."

"The Effect of Parathyroid Hormone and of Activated Ergosterol on Gastric Secretion in Dogs." 34p. 27cm, 1940. MS/ink/add/corr. Presented at the meeting of the National Gastro-Enterological Association on June 5, 1940.

Envelope for 390/8/2, MS/ink

"The Effect of Hypercalcemia, Produced by Activated Ergosterol or Parathyroid Hormone, on Gastric Secretion in the Dog." 4p. 27cm., n.d. Typescript/carbon copy.

Citations and notes, 4p. miscellaneous items, on Vitamin D.

Small collection of papers, letter, and miscellaneous material on "gastric secretory depressant." 5 items.

Letter to Babkin from George B. Jerzy Glass, M.D., Department of Medicine, New York Medical College, July 20, 1940. 1p. 27cm., typed. Letter came with a small collection of reprints on "gastric mucin", by members of Glass' department. On verso of the letter, Babkin's acknowledgement of receipt of the reprints, dated Aug. 4, 1940, typed/carbon.


"A New Parasympathetic stimulant: Ethyl 3 and 4-methylallyl Barbituric Acid," by C.M. Ballem, R.L. Noble et al. (Research Institute of Endocrinology and the Department of Experimental Surgery, McGill University. 8p. 27cm. n.d. Typescript/tables.
"Mucoproteins of Gastric Juices and Mucus and the Mechanism of their Secretion," by Allan A. Grossberg, Simon A. Komarov, and Harry Shay. 7p. 27cm. n.d. Typescript/add.corr. The additions and corrections seem to be in Komarov's handwriting.

Letter to Babkin from Simon Komarov, August 28, 1948. 2p. 23cm. MS/ink. The letter discusses Komarov and his colleagues' paper (390/9/4.)

Gastric Depressant, miscellaneous materials. Includes:

Pharmaceutical Company's advertisement for Benadryl.

Citations on 'gastric secretory depressant'; 3p. misc. sizes, MS/ink.

Benadryl in Peptic Ulcer, bibliography. 1p. 32cm. n.d., typed.

Miscellaneous materials, reprint, letters, and materials on Bile Duct Reconstruction, citations. 4 items.


Covering letter from J.M. Watt to Babkin, accompanying 390/10/1, September 29, 1942. 1p. 27cm. typed.

Citations, misc. 8leaves, misc. sizes. MS/ink and pencil.

Letter to Babkin from Franklin Hollander, M.D., Mount Sinai Hospital, New York, April 23, 1941. 1p. 23cm. typed. Re: "Some recent contributions to the physiology of the digestive tract," paper to be given by Babkin on Friday, May 2, 1941, at a meeting of Dr. Berg's seminar at the Harmonie Club in New York.

Materials on Bile Duct Reconstruction:


Advertisement from Austenal Laboratory for Vitallium Tubes. 1p.

Advertisement for Vitallium Tubes, illustrated. 1p.
390/11  Folder for 'Respiration - Nerve and Muscle Physiology'
        MS/pencil.

390/12  Autonomic Nervous System, lecture notes. 55p. 27cm. n.d.
        Typescript/diagrams. This item seems to be the typescript
        of 390/1/2.

12/1   Envelope for Autonomic Nervous System lecture notes,
        MS/pencil

12/2   Small chart illustrating graphic curves on bile,
        pancreatic secretion, and gastric secretion. 1p.
        print, 7cm.
Contains papers scientific in nature, largely lecture notes, notes on experiments on dogs and numerous miscellaneous materials.

**390/13** Material on the Central Nervous System. 8 items. No dates. Ms., typed. Includes:

13/1 “C.N.S.” Lecture notes of the Central Nervous System. Russian. 166 p./Ms./ink, pencil/illus. Deteriorated, almost illegible.


13/3 “Motor Area (of the Brain).” Lecture notes. 5 p./Ms./ink, pencil/addr./illus.


13/5 Outline of lecture on the nervous system. 1 p./Ms./pencil.

13/6 “Topics for a Neurology Course.” Dalhousie University, Laboratory of Histology and Embryology, Halifax, N. S. 1 p./typed.


13/8 Envelope. “Central N. S.” Ms./pencil

**390/14** “Intestine.” Bibliographic references by facet. Loose-leaf notebook. No date. 30 leaves (plus blank pages)/Ms./ink.

Evaluative report by Prof. Babkin on the Doctoral Thesis of Dr. W. F. Emmons, McGill University. Also correspondence in this regard.

16/1 Letter. From Dr. R. F. Ruttan, McGill University to B. P. Babkin, University of Dalhousie, Halifax. April 16, 1927. 1 p./typed/signature. Request that Babkin read and report on the Ph. D. Thesis of Dr. Emmons.

16/2 Letter. Draft. From Babkin to Dr. Ruttan. 1 p./Ms./pencil. Consent to read and report on the thesis.

16/3 Letter. From Nellie Raddall to Babkin. May 6, 1927. 1 p./typed/signature. Concerns the typing of the report on the thesis.


Material on "Parathyroid Hormone, Gastric Secretion and Ductless Glands."

17/1 Notes on the kidney, renal function and secretion. Taken from scientific articles. Loose-leaf notebook. 12 leaves/Ms./ink.

17/2 "Parathyroid Glands and Gastric Secretion." 10 pieces. 1939(?)-1940(?). Ms., typed, printed. Largely experimental notes. Includes:


2/2 Cardboard inkblotter. Eli Lilly and Company.

2/3 Notes on gastric secretion and the parathyroid glands. 1 p./Ms./ink.

2/4 "Schiffrin's Data." Notes on experiments involving the effects of parathyroid hormone on gastric secretion in three dogs. No date. 4 p./Ms./ink.

2/5 "Miss Grant's Facts." Notes on experiments involving the effects of various chemical solutions on gastric secretion in dogs. No date. 2 p./Ms./ink.

2/6 "Observations on Ulcerations Adjacent to Experimental Gastric Pouches in Dogs." Asher Winkelstein. No date. 4 p./typed. Deals with the effects of hormones.

2/7 Bibliographic references on the effect of parathyroidectomy and parathyroid hormone administration on gastric secretion. Cover letter to Babkin from Ham Selye. October 27, 1939. 3 p./typed/signature.

2/9 "Ergosterol and Parathormone in Gastric Secretion." Results of experiments on "Pavlov Pouch Dogs 1 and 2", conducted by Babkin, Komarova and Komarov. Envelope containing 8 graphs. No date. Photo-reproduced.

2/10 Originals of the graphs described above (2/9). Numbering does not correspond exactly. Includes two additional pages of notes. Ms./ink, pencil.

17/3 "The Effect of Activated Ergosterol and of Parathyroid Hormone on Gastric Secretion in the Dog." Abstracts. 5 p./typed, carbon. Includes:

3/1 "The Effect of Hypercalcemia, Produced by Activated Ergosterol or Parathyroid Hormone on Gastric Secretion in the Dog." B. P. Babkin. 3 copies.

3/2 "The Effect of Activated Ergosterol and of Parathyroid Hormone on Gastric Secretion in the Dog." B. P. Babkin, O. Komarov and S. A. Komarova. (See 17/2/9-10)

17/4 "Ductless Glands and the Gastro-Intestinal Tract." 2 items. Ms., typed. Includes:

4/1 Letter. From Prof. B. P. Babkin to Dr. M. E. Steinberg, Portland, Oregon. December 30, 1938. 1 p./typed, carbon. Response to a request from Dr. Steinberg for information on the effect of the parathyroid glands on gastric secretion. (The original request is attached.)

4/2 Bibliographic references on the parathyroid hormone. 1 p./Ms./ink.

17/5 Further material on Parathyroid Hormone and Gastric Secretion. 9 pieces. 1938-1939(?). Ms., typed, printed. Includes:


5/2 Letter. From H. T. Jensen, Eli Lilly and Company, Toronto to Prof. B. P. Babkin, McGill University, Montreal. April 17, 1939. Concerns the availability of Lilly's Parathyroid extract in Canada.


5/4-8 Miscellaneous notes on experiments on dogs. No dates. 5 p./Ms./pencil.

390/18 Material on Circulation. 12 items. 1938(?)-1941(?). Ms./ink, pencil. Includes:

18/1-4 Lecture notes on the function and composition of the blood. 38 p./Ms./ink, pencil/add./cor./illus. Includes notes on the "Total Time of Conduction," a list of physiology books and a brief textbook bibliography.

18/5 "The Physiology of Circulation. Part I. The Heart." Lecture notes. Roughly divided into 10 lectures. 1940-1941. 122 p./Ms./ink,pencil/add./cor./illus. Includes 4 pages of non-sequential notes inserted at p. 34f., dealing with diseases of the heart valves.

18/6 "Questions on Circulation (III Year Medicine.)" 10 p./typed/Ms. add.,cor. Consists of 263 examination questions.

18/7 "The Physiology of Circulation. Part II. The Blood Vessels." Lecture notes. 9 or 10 lectures. 1939-1941. 144 p. (irreg.)/Ms./ink, pencil/illus./diagrams.

18/8 "The Physiology of Circulation. Introduction. (A. & S. Course)." December 8, 1939. 2 p./Ms./ink.

18/9 "Total Metabolism, Enzymes, Secretion, Digestion." Lecture notes for Comparative Physiology 1 A. 1939-1940. (McGill University) 2 p./Ms./ink/cor.

18/10 Notes taken from J. Ritchie. "Perspectives in Evolution". 1939-1940. 2 p./Ms./ink.

18/11 "Introduction-3rd Year." Lecture notes on Physiology. 21 p. (irreg.)/Ms./ink/add./cor. Emphasizes metabolic processes.

18/12 "The Physiology of Circulation." Lecture notes. 88 p. (irreg.)/Ms./ink, pencil/add./cor./illus. Includes notes taken from J. Graham Kerr. "Zoology for Medical Students". 1921.
390/19/1 Zavyalov, Vsevolod, "Elektricheska os' na c'ordteto prostranstvo." Otdelen' otechat'k ot' Godishn'aka na Sofiiskii Universitet', Meditsinskii Fakultet', t. viii, Sofia, 1929. 22cm. 76p. (Presentation copy)


19/3 Houssay, B.A. y A. Biasotti, "La diabetes pancreatica de los perros hipofisoprovos." (Instituto de Fisiologia de la Facultad de Ciencias Medicas de Buenos Aires.) Extracto de la Revista de la Sociedad Argentina de Biologia, v. vi, Num. 4, 1930. 22cm. 45p.


19/5 Marshall, E.K., "The agglomerular kidney of the toad- fish (ofsaunus tau)." (From the Laboratory of Physiology, The Johns Hopkins School of Medicine.) Reprinted from the Bulletin of the Johns Hopkins Hospital, v. xlv, no.2, 1929. 24cm. 6p.

19/6 Bain, W.A., "The mode of action of vasodilator and vasoconstrictor nerves." (From the Department of Physiology, University of Edinburgh.) Reprinted from the Quarterly Journal of Experimental Physiology, v. xxiii, 1933. 24cm. 9p.


19/8 Maximow, Alexander A., "Relation of blood cells to connective tissues and endothelium." (From the Anatomical Laboratory, University of Chicago.) Reprinted from Physiological Reviews, v. 1v, no.4, 1924. 24cm. 30p. (Presentation copy)


Collip, Dr. J.B., "The parathyroid glands." Reprinted from the Harvey Lectures of the Harvey Society of New York, 1925-1926. 19cm. 59p. (Presentation copy)


Hill, A.V., "The transformations of energy in the contraction of striated muscle." Extrait de Scientia, nov. 1924, 22cm. 6p.


Voronov, Serge, "Testicular grafting from ape to man." n.d., 22cm. 15p.


Arthus, Maurice, "Discipline experimentale." Tirage a part de Praxis Revue Suisse de Medecine, no. 14et15, 1927. 16cm. 35p. (Presentation copy)


Munoz, M. "El fluor de los Huesos, y dientes en la fluorosis." Extracto de la Revista de la Sociedad Argentina de Biologia, v. xii, no. 2, 1936. 24cm. 6p.
Belinov', S., V. Zavialov' and N. Shivarov, "Intra­trakhealni pulsatsii- metod' za intrapulmoni otvezhdaniia na aktsionnit tokove na chovshko­to c'rtse in situ." Otpchat'k ota'Godishnik' na Sof. Universitet'. Meditsinski Fakultet', kn.vi, 1927. 22cm. 37p. (Presentation copy)


Bykov, K. M. "Problema nervno-gumoralnykh reguliatsii." Biullet' n VIEM. no.6-7, n.d. 24cm. 5p.

Biriukov, D. A., " K voprosu o vodianom refleksie u sobak." Fiziologicheskii Zhurnal SSSR, tom xvii, no.4, 1933(?). 24cm. 9p. (Presentation copy)

Biriukov, D. A., "Asimetriia bezuslovnykh sliunnych refleksov." Otdel'ny otisk Sbornik po psikho nervno logii, 1929(?). 24cm. 5p. (Presentation copy)


Dionesov, S. M., "Materialy k fiziologii sliunootdeleniia." Russkii Fiziologicheskii Zhurnal, t. xii, no.5, 1928. 22cm. 20p.

Dionesov, S. M., "Materialy k voprosu o sinteze nervnoi i gumoral'noi faz sekretii podzeludochnogo soka." Otdel'nye otkyk iz Russkogo Fiziologicheskogo Zhurnala, tom. 1x, v.3-4, 1926. 24cm. 12p.


Dionesov, S.M., "O vliianii adrenalina na sekretoriyu deiatel'nosti izolirovannogo zheludochnogo zhela čka sobaki." Fiziologicheskiy Zhurnal SSSR, tom xx, no. 4, 1936, 24cm. 6p.

Dionesov, S.M., "Vlianie preparatov mozgovogo pridatka na sekretorniu deiatel'nost' pepsinovykh zalozh." 1930, 24cm. 16p.

Dionesov, S.M., "Vlianie bolevogo razdrazheniia kozhi na sekretorium deiatel'nosti izolirovannogo zheludochnogo zheludochka sobaki." Fiziologicheskiy Zhurnal SSSR, tom 20, no 5, 1936, 24cm. 6p.

Dionesov, S.M., "Sлучаи резко го торможения поджелудо­чного се кретиз ным в внеш­ными услови­ями опыта." Fiziologicheskiy Zhurnal SSSR, tom viii, 3-4, 1925, 22cm. 6p.

Feldman, A.B., "Do pitannia pro visnaghennia i vydновлення pidschelempoї slinnoї zalozy za khronichnih ymov docilidu." Okremi bidbitok z zhurnaly Ukrain­ske Medichnii Arhiv, t.v, no.1. 1934, 25cm.


Filatov, B.P., "Plastika na migriruiushchem kruglomy steble." Vestnik Khirurgii, n.d. (1925?). 22cm. (Presentation copy)

Filatov, B.P., "Ob operativnom lechenii pervichnoi glau­komy." Sovremennaia Meditsina, II, no.7-9, 1924, 15p. 22cm. (Presentation copy)

Zlatarski, Vasiliy N., "O tipakh istoricheskogo istolkowa­nia." Sbornik b' chect', 1925, 24cm. 24p. (Presentation copy)

Pol'bort, G.B., "Ob istoshchenii sliunnyh zhelez prior deiatel'nosti." Russkii Fiziologicheskii Zhurnal, t.vii, 1-6, 1924, 22cm. 6p. 2 copies

Pol'bort, G.V., and A.T. Ryskal'chuk, "O vlianiy skorosti sekretnii na sostav sliunny v khronicheskom opyte." Russkii Fiziologicheskii Zhurnal, t.vill, 5-6, 1925, 22cm. 11p.


Goldenberg, E., "K voprosu o deistvii nekotorykh elektrolitov na ritm spontannykh sokrshchenii izolirovannogo zheludka plagushki.‖ Okremi vidbitok Zhurnal Nauchnogo-Doslubchikh Katedr m. Odesi, tom. II, no.4, 1926. 25cm. 5p.


Goldenberg, E., "O lestnitse na gladkoi muskulature." Zhurnal Experimentalnoi Biologii i Meditsini, no. 8, 1926. 22cm. 16p. (Presentation copy)

Goldenberg, E., "Materialy k voprosu o sledovykh reaktsiakh u meduz i aktinii." Zhurnal Experimentalnoi Biologii i Meditsini, no. 8, 1926. 22cm. 14p.

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Isaev, L.V., "Ulianie otnositel'noi nedostatochnosti parashchitovidnykh zhelez na pankreatichesku sekretnii." Arkhiv Bibliograficheskikh Nauk, xxxii, no.;, 1932. 23cm. 7p.

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Kogan, E.M., "K voprosu o soderzhании sakharov в krovii pri razlichnykh formakh endokrinnoi nedostachnosti.‖ Uchenye Zapiski Gosudarstvennogo Saratovskogo Universiteta, no. 1, 1924. 25c. 95p.
Kogan, E.N., "Опыт зимологического изучения составных частей комплемента." Трудов Ц'езда Патолого-Анатомов, Ленинград, 1923. 25 см. 10 с.
Contains reprints of scientific articles, mostly in Russian, also in German, English and French. 90 items. 1914-1937. Listed by author.


Bukhshtab, L. B. "Zabolevaniya Nadpochechnikov."
Oks, A. A. "Onukholi Nadpochechnikov."
Vinogradov, V. V. "Zabolevaniya Gepofiza."
Oppel', V. A. "Zabolevaniya Endokrinnykh Zhelez."


tal'noi Biologii i Meditsiny, No. 17. Moscow, 1927. 25 cm. 11 p. Presentation copy.


20/13 Krestovnikov, A. N. "K Voprosu o Fiziologicheskoi Rolii Mikrobov Tonkikh Kisehek Sobaki." (Iz Mikrobiologicheskogo i Fiziolo-


20/15 Krontovskii, A. A. "Pathologisch-physiologische Beobachtungen über Her zertransplantate." abdruck aus Archiv für Experimentelle Zell-
forschung. s.l., 1925. 10 p.


20/19 Kuznetsov, V. P. "Ob Odnom Simptome, Odnaruzhivayushchemya pri Porazheniyakh Oblasti Bol' shikh Uslav Osnovaniya Mozga."
(Iz Kliniki Nervnykh Bolezni Odesskogo Gosudarstvennogo Meditsinskago Instituta.) Zhurnal Nevropatologii i Psikhiatrii. Moscow, 1927. 23 cm. 6 p.

20/20 Kuznetsov, V. P. "Refliektornye Reaktsii Antagonisticheskikh Mysht Bedra pri Radrazheniyakh Podoshvy." Zhurnal Nevropatologii i Psikhiatrii. Moscow, 1926. 22 cm. 15 p. Presentation copy.


20/22 Kuznetsov, V. P. "Fizioterapiya i Yavleniya Kontrastnogo Vozbuz­ deniya v Nervnoi Sisteme." Fizioterapiya, Tom. 4, No. 1.(22). s.l., 1930. 22 cm. 10 p.


20/26 Kuznetsov, V. P. "Analiz Yavlenii Kontrastnogo Vozbuzdeniya v Nervnoi Sisteme." Trudy Kliniki Nervnykh Boleznei, Tom II. Odessa, 1930. 22 cm. 18 p. Presentation copy.


20/30 Lebedinskaya, S. I. Copy II of 20/29 above.


20/33 Leont'ev, I. F. Copy II of 20/32 above.


-22-


20/45 Miculicich, M. "Der Einfluss der Leber auf die Normale Gehirntätigkeit." Vorstand des Institutes für allg. und exp. Pathologie und Pharmakologie der Universität in Zagreb. s.l., 1927. 23 cm. 8 p.


20/55 Petrovich, A. A. Copy II of 20/54 above.


20/62 Polev', L. I. "Значение метода экскриптетсии (мичротехника культивирования в культурин витре) в связи с экспериментальными медizin." Доклад о демонстрации приготовления препарата и микрофотографии, чтимого в профессиональному Союзу врачей. Кишинев, 1929. 23 см. 19 p.


20/71 Reizel'man, S. D. "Rol' Svintsovoy Intoksikatsii v Proiskhozh-
denii Yazvennoi Boleznii. Coobshchenie II: Vliyanie
Svintsovoi Intoksikatsii na Vneshnyuyu Sekretsiyu Podshel-
dnochnoi Zhelezy." Archiv Biologicheskikh Nauk, Tom XXXIII,
Vypusk 1-2. Leningrad, 1933. 26 cm. 12 p.

20/72 Rozanov, L. P. "Vliyanie Zhelechi na Pereparivanie Belkov Pankreati-
cheskim Sokom." (Iz Fiziologicheskogo Otdela Instituta
Eksperimental'noi Meditsiny.) Archiv Biologicheskikh Nauk,
Tom XXIII, Vypusk 1-3. Leningrad(?) , 1923. 27 cm. 6 p.

I. Ob Invemtsionnom Mehanizme Kisechnom Rvotnykh
Dvizhenii pod Vliyaniem Apomorfina." Zhurnal Eksperimental'noi

20/74 Savich, V. V. and N. Soshestvenskii. "K Invemtsii Otdelenniya
Tonkikh Kishek." (Iz Fiziologicheskoi Laboratori Akademii
Nauk.) Archiv Biologicheskikh Nauk, Tom XXI. Petrograd(?),
1917. 30 cm. 14 p. (Includes: "L'Influence du Nerve Vagus
sur la Secretion de l'Intestin.

20/75 Savich, V. V. "Okologichitovidnye Zhelezy i ikh Rol' v Organizme."
No Source. s.l., s.d. 25 cm. 17 p.

20/76 Savich, V. "Rol' Paratireoidnykh Zhelez." Otdel'nyi otkisk iz
zhurnala Vrachevnaya Gazeta, No. 11-12. Leningrad, 1927.
17 cm. 10 p. Presentation copy.

20/77 Savich, V. V. "Popytka Uvaseniya Protesssa Tvorchestva s Tochkii
Zreniya Reflektornogo Akt." No source. s.l., s.d. 24 cm.
14 p. Presentation copy.

20/78 Savich, V. V. "Sovremennoe Sostoyanie Ucheniya o Vnutrenney
Sekretsiyu." No Source. n.l., s.d. 1927. 24 cm. 10 p.

20/79 Savich, V. "Vzaimodeistvie Tomozhennii i Vozbuzhdenii, kak Osnovnoe
Usloviya Tomozhenii Organizma k Vneshnym Miru,"
No source. s.l., s.d. 27 cm. 12 p. Presentation copy.

20/80 Savich, V. V. "Glavnye Faktory, Vyzvavshchie Razvitie Endemiches-
kogo Zoba." Otdel'nyi otkisk iz zhurnala Archiv Biologicheskikh
Nauk, Tom XXXIII, Vypusk 3-4. Leningrad, 1933. 27 cm. 17 p.

20/81 Savjaloff, Vsevolod V. "Intraculomane Ableitungen der Aktions-
strume von Menschlichen Herzen in situ." Sonderabdruck aus
Zeitschrift für Kreislauforschung, XX Jahrgang, Heft 19.
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20/82'Sinel'nikov, E. L. and L. A. Yasinovski. "Ob Emigratsii Leikotsi-
tov v Isolirovannyi Otremok "or'ko Fisiki u Slabki." Otdel'nyi
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Meditsiny, No. 8. Moscow, 1926. 23 cm. 17 p. Presentation
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20/83 Синельников, Е. И. "О нормальной подвижности суставов у человека." Отдел'ныи оттиск из № 10 & 11, Журнал экспериментальной биологии и медицины. Москва, 1926. 23 см. 18 п. Presentation copy.

20/84 Синельников, Е. И. и А. A. Кручинов. "Состояние периодических генетелейности "человека" при паратиреоидектомии." Отдел'ныи оттиск из Журнała научно-исследовательских кафедр Одессы, том 1, № 10-11. Одесса, 1924. 26 см. 15 п. Presentation copy.

20/85 Смирнов, А. И. "Секретиша оболоченной зреющей у человека." Отдел'ныи оттиск из Журнала Куранского научно-медицинского вестника, № 2-3-4. Краснодар, 1921. 30 см. 8 п. Presentation copy.

20/86 Смирнов, А. И. и П. Д. Олефиренко. "Срежечениевое замедление сердечного ритма и в зависимости от изменений электролитного состава крови." Отдел'ныи оттиск из № 16, Журнал экспериментальной биологии и медицины. Москва, 1927. 23 см. 10 п.

20/87 Смирнов, А. И. "О понижающем действии адреналина при различных эндокринных заболеваниях." Отдел'ныи оттиск из № 19, Журнал экспериментальной биологии и медицины. Москва, 1927. 23 см. 9 п. Presentation copy.

20/88 Смирнов, А. И. и В. Ф. Широкий. "Влияние хлорида аммония и хлорида натрия на различные функции сердца и сосудов." Отдел'ныи оттиск из № 14, Журнал экспериментальной биологии и медицины. Москва, 1927. 23 см. 12 п.

20/89 Смирнов, А. И. и В. Ф. Широкий. "Влияние хлорида аммония на сердце и сосуды." Отдел'ныи оттиск из № 13, Журнал экспериментальной биологии и медицины. Москва, 1927. 23 см. 18 п.

20/90 Тетяева, М. Е. "О физиологической роли кислот. Обобщение 
V: О влиянии некоторых органических кислот на резистентность кардиотурины, трипептина и триолеина кислотах и панкреас-содержащем соке." Известия Петроградского научного института Г. Ф. Лесгафта, том VI. Ленинград(?), 1923. 25 см. 9 п.

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390/21/1 Ednyan, E.D., "Signaly v chustvitelykh nervykh volok-nakh i ikh tolkoitaniye." Uchenye zapiski fiziologii, Kazanskiy gosudarstvenniy universitet, Kazan, 1932. 170p. 21cm. (Presentation copy)

21/2 Troitskii, P.B., "K" kharakteristiky pushchevykh' mass' pri perekhody ikh v tolstiya kishki u sobaki." 1903. 16p. 22cm. (Presentation copy)

21/3 Cherkes, L.A., "Chastichnoe golodanie v svete ucheniia o vitaminakh." Iz Trudov Vserossiiskogo C'ezda Patologov, Leningrad, 1924. 5p. 25cm. (Presentation copy)

21/4 Cherkes, L.A., "K Kharakteristike eksperimentalnykh avitaminosov." Zhurnal Eksperimentalnoi Meditsini, no.1, Moscow, 1925, 13p. 22cm. (Presentation copy)

21/5 Tsitovich, I., "O Vliianii pilokarpina na sekretiiu zhele-dochnykh' zhelez'." (Iz fiziologicheskoii laboratori U Imperatorskogo Instituta Eksperimentalnoi Meditsini.) St. Petersburg, 1922. 23p. 21cm.

21/6 Cherkes, L.A., "O fotoaktivnosti nekotorykh zhirov." Otde1nyi ottisk iz Zhurna1a Khimiko-farmats-evticheskii vestnik, no. 11-12, 1926. 5p. 17c. (Presentation copy)

21/7 Turbin-Spug, E.I., "K avtomatii tsentra n. vagi u shche-niat." Zhurnal eksperimentalnoi biologii i meditsini, no. 20, Moscow, 1927. 12p. 22cm.

21/8 Cherkes, L.A., "Proteinogennye toksikozy." Zhurnal ek- sperimentalnoi biologii i meditsini, Moscow, 1927. 18p. 22cm. (Presentation copy)


Cherkes, L.A., "Die Bedeutung der Vitamine im Haushalt der tierischen Körpers." Biochemische Zeitschrift, Band 149, Heft 1/2, 1924. 16p. 22cm. (Presentation copy)


Tutkovskii, A., "Pis'ma iz Belgii." Nauchnyi meditsinskii zhurnal, no. 17-8 i 20, 1928, 17p. 20cm.

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Ugarov, A.D., "O vliianii beremennosti i rodon na deiatelnost' zheludochnyh zhelez sobaki." Iz Trudy gosudarstvennoi instituta eksperimental'noi veterinarii, t.VII, vypusk 1, 1930. 3p. 24cm.

Veinberg, V.V., "Normal'nye vozbuditeli zhelechnoi sekretsii." (Iz Fiziolohicheskoi laboratorii Imperatorskoi Voenny-Meditsinskoi Akademii,) 1910? 9p. 22cm.

Veselkin, N.V., "O vykhode zhelchi v pschevaritel'nyi kanal udaleniiia zhelchogo puzyria." (Iz Fiziolohicheskogo otdeleniia Nauchnogo Instituta imeni F.E. Leskgafta,) 1921(?) 4p. 24cm. (Presentation copy)


Zavadovskii, B.M., A.A. Titaev, TS.M. Perel'muter, N.A. Raspopova, "O vlianiii iodistykh preparatov na metamorfoz axsotolley." Zhurnal eksperimental'noi biologii i meditsini, no. 13, 1926. 15p. 22cm.

Zavadovskii, B.M., E.V. Zavadovskaia, "Metamorfoz axsotolley, kak metod kolichestvennogo opredeleniia gormona shchetobidnoi zhelezy." Zhurnal eksperimental'noi biologii i meditsini, no. 12, 1926. 12p. 22cm.

Zavadovskii, B.M., M. Novikova, "K voprosu o sravnitel'noi aktivnosti shchitovidnykh zhelez pozvonochnych izhivotnykh." Zhurnal eksperimental'noi biologii i meditsini, no. 19, 1927. 6p. 22cm.

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Zavyalov, V., "Chislovoy izchisleniia pri elektrokardiograficheska analiza." Iz Godishnika na Sofiiskaia Universiteta, Meditsinskii Fakultet', t. ix, 1930. 69p. 23cm. (Presentation Copy)

Zavyalov, V., "K' m' v'prosa za dekoordinatsi't' v' funktsiata na s'rtseto." Iz Godishnika na Sofiiskaia Universiteta, Meditsinskii Fakultet', t. vii, 1928. 48p. 23cm. (Presentation copy)


Zavyalov, V., "STEK" Otdel'nyi ottisk iz Trudov V'-cego C'exda Russkikh Akademicheskih Organizatsii Zagranitsei, 1932. 35p. 23cm. (Presentation copy)
390/21/34 Zavyalov, V., "K teoriata na funktsionalnit' raz-trostva na s'rdechnata deiatelnost'." Iz Godishnika na Sofiiskaia Universitet', Meditinski Fakultet', 1926. 163p. 24cm. (Presentation copy)

21/35 Zavyalov, V.V., "S'redtseto pri alimentarno zat'l'st- iavane." Iz Godishnika na Sofiiskaia Universitet', Meditsinskii Fakultet', 1931. 25p. 23cm. (Presentation copy)

21/36 Zavyalov, V., "Normalnaia koordinatsiia koordinatsio-nna kompensatsiia i v'treshna d'koordinatsiia na s'r'dtseto." Iz Godishnika na Sofiiskaia Universitet', Meditsinskii Fakultet', t. xi, 1932. 48p. 23cm. (Presentation copy)
Contains material used in the preparation of the biography of Ivan Pavlov. Manuscript correspondence from the Pavlovs, photographs and facsimiles, and the unabridged typescript copy of the first three parts of the biography itself.

Correspondence from Ivan Petrovich Pavlov, his sons Vladimir and Vaselvelod, his daughter Vera, and his wife Seraphima Vasilievna. 1923-1948. Russian. Ms. (with typed translations of I. P. Pavlov's letters.) Largely personal in nature. Includes:

22/1 Correspondence from I. P. Pavlov. 1923-1934. 10 letters. Russian with English translations. (Envelope. Ms. (Babkin)/ink.) Includes:

1/1-10 English translation done by Babkin with explanatory footnotes. 15 p./ typed, carbon.

1/11-20 Original letters. Ms. (I. P. Pavlov)/ink.

1/11 From Petrograd to London. December 22, 1923. 2 p./22 cm. Concerns Babkin's situation in London, where he has just begun to lecture; also Pavlov's own work.

1/12 From Kellomäki, Finland to Halifax, N. S. (?) September 18, 1924. 2 p./26 cm. Best wishes on Babkin's appointment (to Dalhousie University.)

1/13 From Leningrad to Halifax. October 23, 1924. 2 p./14 cm. Congratulation and best wishes to Babkin, with reference to the latter's courage and sense of dignity in leaving Russia.

1/14 From Berlin to Halifax, N. S. (?) August 28, 1927. 2 p./27 cm. Concerns Pavlov's complete recovery from surgery (for gall stones) and his eagerness to return to work.

1/15 From Leningrad to Montreal (?). January 29, 1928. 2 p./21 cm. Concerns Pavlov's opinions about lecturing, the course of his laboratory work, and the health of his daughter-in-law.

1/16 From Leningrad to Montreal. June 8, 1929. 1 p./13 cm. Concerns Pavlov's plans to come to Canada for a visit on the occasion of the Physiological and Psychological Congresses.

1/17 From Leningrad to Montreal. September 28, 1929. 2 p./27 cm./envelope. Expresses gratitude for the hospitality of the Babkins with whom Pavlov and his son Vladimir stayed after attending the XII Medical, Physiological Congress in Boston. Reference to the anniversary of Ivan Michilovich Sechenov.
22/18 From Leningrad to Montreal. June 5, 1930. 4 p./22 cm./envelope. Pavlov recommends Dr. Leonid A. Andreev as an assistant to Babkin. Concerns the problem of obtaining permission for Andreev to go to Canada.

1/19 Leningrad to Montreal. December 24, 1930. 2½p./27 cm./envelope. Concerns the delay in obtaining papers for Andreev, the work on gastric and pancreatic secretion and conditioned reflexes. Recounts the story of Tupuomov's article. (A hoax perpetrated by Chiriev described in the biography.)

1/20 From Leningrad to Montreal. November 1, 1934 (rec'd.) 1 p./14 cm./envelope. Thank you for best wishes on Pavlov's birthday.

22/2 Correspondence from Vladimir Pavlov, Vsevolod Pavlov and Vera Pavlova. 1929-1948. 9 letters. Ms./ink (1 typed.) (None of these letters had been previously translated. The effort has been made to describe them only in terms of general content, with the caution as to the limitations of such description.) Includes:

2/1 From Vladimir Pavlov. S.S. Levathan (en route) to Montreal. 1929. 4 p./17 cm. Expresses gratitude to the Babkins for their hospitality. Describes the trip home.


2/3-9 Correspondence from Vera Pavlova. 7 letters. (The handwriting of these letters is almost indecipherable. There is indication that Vera was very nervous and unwell during much of this period. With the exceptions noted below, they have not been translated.)

2/3 From Leningrad to Montreal. December 6, 1936. 8 p./21 cm. Concerns Seraphima Vasilevna's health. Her Glaucoma is progressing slowly. Vsevolod's widow is now living with the Pavlovs.

2/4 January 2, 1936. 4 p./25 cm.

2/5 April 25, 1936. 2 p./25 cm. Concerns her father's recent recovery from a serious case of influenza.

2/6 January 9, 1936. 4 p./21 cm.

2/7 July 8, 1939. 2 p./20 cm.

2/8 October 4, 1947. 2 p./20 cm.

2/9 February, 1948. 2 p./20 cm.
Correspondence from Seraphima Vasilievna Pavlova. 1924-1937.
19 letters, 2 postcards in Russian. 1 telegram in English.
Ms./ink. Personal in nature. Because Seraphima Vasilievna had
glaucoma and was becoming blind, the last three pieces are in
the manuscript of an unknown person, dictated and signed by Sera
herself. (None of these letters had been previously translated.
The effort has been made to describe them only in terms of
general content, with the caution as to the limitations of such
description.) Includes:

22/3/1 September 18, 1924. 2 p./26 cm. Congratulates Babkin on his recent
appointment to Dalhousie University. Also concerns Vsevelod's (?)
desire to receive an invitation to teach physics in America.

3/2 October 22, 1926 (?). 4 p./14 cm. Ivan Petrovich isn't well.
Verochka also is unwell and is very nervous. The fall is making
everyone depressed. Also, they must care for Vsevelod.

3/3 February 7, 1927. 6 p./14 cm. Describes Ivan Petrovich's ill-
ness, symptoms and treatment. The doctors were mistaken in the
original diagnosis. Pavlov continues his work. (quoted in the
biography.)

3/4 April 10, 1927. 4 p./17 cm. Concerns the state of Ivan Petrovich's
health, which continues to be poor. (quoted in the biography.)

Concern I. P.'s health with is improved after the trip to Karlsbad.

3/6 October 22, 1929. 2 p./28 cm. Sera is feeling well, but Vera is
still ill. The Pavlovs are very happy for the Babkins, settled
in their new home. They are looking forward to celebrating their
Golden Wedding Anniversary in 1931.

3/7 November 5, 1930 (?). 4 p./13 cm. The Pavlovs have just returned
from vacation and there is lots to do. Vladimir has just gotten
married, and he and his wife are living with the Pavlovs. Ivan
Petrovich works very late every night. Sera asks if they or any
of their friends are interested in religious problems.

3/8 March 29, 1931(?). 2 p./26 cm. Easter greetings. Sera describes
how she enjoys her granddaughters, to whom she tells fairy tales.
Also reminiscences about her conversation with Dostoyevsky on the
subject of Russian orthodoxy. This conversation greatly impressed
Sera with the depth of Dostoyevsky's thought. She concludes that
even old age has its peculiar pleasures.

3/9 April 13, 1932(?). 4 p./14 cm. Easter greetings. Sera again
writes how they enjoy the grandchildren. Ivan Petrovich is well
and continues to work hard.
July 17, 1932. 2 p./27 cm. Sera writes that she has glaucoma and will be going blind. Ivan Petrovich is going to Copenhagen and to Rome for International Conferences. Life in Russia is getting worse all the time. While Ivan Petrovich is still alive, things go on all right, but Sera fears that after his death it will be very hard for the family as Ivan Petrovich is not careful about what he says, and makes speeches about freedom. The family is under a great psychological strain. Sera asks the Babkins to try to arrange to bring her family to America. At the university they teach against religion—it is all very difficult. A new laboratory is being built for Pavlov.

December 17, 1932. 4 p./14 cm. Christmas greetings. Sera describes the personalities of her granddaughters. Ivan Petrovich is very busy with laboratory and psychiatric (?) work.

January 3, 1933 or 1934. 4 p./22 cm. Sera complains about old age. Sends Christmas and New Year's greetings. Vera is still very nervous. Because of a heart condition, Sera is confined to bed and reads a lot. She discusses her feelings about Russian literature, especially Turgenev, whom she finds very relaxing.

January 1, 1934. 2 p./27 cm. Sera writes that she isn't feeling well. Ivan Petrovich is getting very tired, but wants to continue working at Koltushi. Reference to the poem "God" by Derevlenko.

May 13, 1935. 4 p./21 cm. Describes the serious case of influenza suffered by Ivan Petrovich in the spring. Sera remarks at how well the government takes of him. (quoted in the biography.)

December 23, 1935. 4 p./14 cm. Concerns Sera's sorrow over the death of Vsevolod, in which she must be strong for the sake of Ivan Petrovich, Vera and Vsevolod's widow. Expresses her religious sentiments. (quoted in the biography.)


March 22, 1936. 8 p./14 cm. Describes Ivan Petrovich's last illness, which developed from influenza into pneumonia, and his death. Describes in detail I. P.'s last days. (quoted in the biography.)

(No date) 1936(?) 4 p./16 cm. First page is missing. Manuscript difficult to read.

June 2(?), 1937. 2 p./22 cm. Dictated to an unknown person. Signed by Seraphima Vasilievna. Reference to Vera; also to the writing of a biography of Pavlov in America.(?)

April 29, 1937. 2 p./23 cm. Easter greetings. Includes poetry.
22/3/21 June 2, 1937. Dictated to an unknown person. Signed by Seraphima Vasilievna. Sera indicates that she is now living in a good situation, but that her heart is bad. Good wishes to all. Includes a description of the "literary soiree" at which she met both Turgenev and Dostoyevsky. (Quoted in the biography.)


390/23 Correspondence from Ivan P. Pavlov. English translations of the letters described above. (see 22/1)

390/24 List of items used in the biography of Pavlov. Cardboard, Ms. (Babkin?)/ink. Also includes the same list on McGill University letterhead.

390/25 Catalog entry for the typescript of Pavlov, a Biography by B. P. Babkin. Typed copy.

390/26 Photographs of Ivan Pavlov, his family and colleagues, and miscellaneous facsimile copies. 14 pieces. Captions in Ms. (Babkin?)/pencil. Includes:

* 26/1 Photograph. I. P. Pavlov. 1923. Edinburgh, the International Physiological Congress.


* 26/3 Photograph. Group. "Pavlov and his co-workers at the Physiological Laboratory of the M. M. Academy. October 22, 1926. Occasion of the 25th year of service of the attendant Sergei Nikolayev (sitting on the left of Pavlov)."

* 26/4 Photograph. I. P. Pavlov. No date, "after the revolution." "Lecturing at the Military Medical Academy. (2 SASES OF 2)"


26/7 Photographs. Six, attached to a single leaf. No dates. Includes: Pavlov's mother, Pavlov's father, Pavlov with his wife shortly after their marriage, Pavlov in Botkin's laboratory, Pavlov operating (on a dog) at the Institute of Experimental Medicine, and Pavlov riding a bicycle with a group of unidentified cyclists.


26/12 Portrait of Pavlov. ca. 1875. Copy.

26/13 Portrait of Pavlov. 1885-86. Copy.


399/27 Pavlov: a Biography. Unabridged typescript copy of Parts 1-5 with ms. corrections. B. P. Babkin, 1943-1946. Includes:
   Part I: Biography.
   Part II: Early Physiological Work of Pavlov.
   Part III: The Physiology of Digestion.
   Part IV: Conditioned reflexes. Not included.
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Correspondence, Personal
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