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Finding Aid To

THE SOL RUBINOW, PHD (1923-1981) PAPERS

Dates of Papers:
1945-1981

117 Linear Inches
(20 Boxes)

Finding Aid Prepared By:
Stephen Novak
Assistant Archivist
Undated

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Preface

The Papers of Sol Isaac Rubinow were collected by the Librarian, Erich Meyerhoff, from Dr. Rubinow’s office in 1981, after his death. Permission for this was given by Mrs. Rubinow. The collection included many books and journals given to the Wood Library, and eight record size boxes of papers and manuscripts in great disarray. [An additional box containing mostly reprints was given in 10/06/1987.]

Biographical Note

Sol Isaac Rubinow was born in New York City on November 6, 1923, the son of Rubin Rubinow. He received a B.S. in physics in 1944 from the City College of New York and then spent two years as a physicist for the National Advisory Committee for Aeronautics at Langley Field, Virginia.

He continued his education at Brown University where he obtained an M.S. in 1947 in applied mathematics and was awarded his doctorate in physics from the University of Pennsylvania in 1951.

After doing post-graduate work at M.I.T. and Harvard he became Assistant Professor of Physics in 1956 at Stevens Institute of Technology, Hoboken, N. J. while simultaneously holding a part-time research position at New York University’s Courant Institute of Mathematical Sciences.

In c. 1962, Cornell University Medical College was offered a $1 million grant from the International Business Machines Corporation (IBM) for establishing a biomathematics program at Cornell University Medical College. This sum was to be matched by money jointly provided by Cornell University Medical College and the Sloan-Kettering Institute. The offer was accepted and Sloan Kettering Institute & Cornell University Medical College set up a committee of eminent mathematicians and statisticians to assist them in making appointments for this new department.

With the recommendation of the committee, Dr. Rubinow was appointed to the first senior full-time position in September, 1964. As a result he was responsible for creating the new Biomathematics Division at Cornell University Graduate School of Medical Sciences and for recruiting its faculty. Besides holding the Graduate School post, he was also a member of Sloan-Kettering Institute. He remained at Cornell University Medical College & Sloan Kettering Institute until his death.

As a biomathematician, Dr. Rubinow was known for his work on cell kinetics, blood flow and cancer. He was a member of several learned societies as well as being on the editorial boards of a number of scientific journals. During 1977-1978, he was a Guggenheim Fellow at the Weizmann Institute of Science at
Rehovot, Israel. He also wrote "Introduction to Mathematical Biology", (1975) one of the first text books in this field. Besides his academic interests, Dr. Rubinow was a champion chess and bridge player. He married Shirley Levinsohn in 1963; they had three children. He died on February 22, 1981 at Memorial Sloan-Kettering Cancer Center following complications resulting from an operation on a brain tumor.

Scope and Content

The Rubinow Papers consist of correspondence, drafts of articles, lectures, mathematical notations, grade books and material relating to conferences and grant proposals. Together they provide a detailed picture of Dr. Rubinow's professional life.

Of special interest is Dr. Rubinow's extensive correspondence with colleagues regarding articles, conferences and developments in biomathematics. Information on the founding of the Biomathematics Division of Cornell University Graduate School of Medical Sciences can be found in Box 5 f. 1&8. Lecture notes for courses Dr. Rubinow taught at Stevens and Cornell illustrate his life as a teacher while the voluminous data for his papers and articles give a glimpse into his research methods.

Subjects

Annual Reports  
Biomathematics, Division of Memorial Sloan-Kettering Cancer Center  
Cornell University Graduate School of Medical Sciences  
Rachele, Julian R.  
Cancer  
Faculty  
Horsfall, Frank L., Jr.  
Fundraising  
Symposia  
Curriculum

Container List

Box 1

F.1 Correspondence, 1955- April 1964 (PRE-SKI)  
f.2 Correspondence, 9/1964-1965  
f.3 Correspondence, 1966  
f.4 Correspondence, 1967  
f.5 Correspondence, 1968  
f.6 Correspondence, 1969  
f.7 Correspondence, 1970
Box 1

f.8 Correspondence, 1971

Box 2

f.1 Correspondence, 1972
f.2 Correspondence, 1973
f.3 Correspondence, 1974
f.4 Correspondence, 1975
f.5 Correspondence, 1976
f.6 Correspondence, Jan.-June 1977
f.7 Correspondence, 7/1977-12/78

Box 3

f.1 Correspondence, 1979
f.2 Correspondence, 1980-4/1981
f.3 Correspondence, Re: Articles: "Age Structured Equation in the Theory of Cell Population", 1975-1978
f.4 Correspondence, Re: Articles "Comments on the Radial Migration of Spheres in Poiseuille Flow," Letter to the Editor, 1964-1965
f.5 Correspondence Re: Articles "Facilitated Diffusion of Oxygen & Carbon Monoxide in the Large Affinity Regime", 1980
f.6 Correspondence, Re: Articles "Facilitated Diffusion of Oxygen by Hemoglobin & Myoglobin," Sept. 1976-Feb. 1979
f.7 Correspondence, Re: "Human Leukemia Kinetic Aspects & Speculation Concerning Its Cellular Origins," 1976
f.8 Correspondence, Re: Articles: "Investigation Into the Experimental Kinetic Support of the 2 State Model of the Cell Cycle," 9/1979-2/1980
f.12 Correspondence, Re: Articles: "A Mathematical Model of the Chemotherapeutic Treatment of AML," 1976
Box 3 (cont)

f.16 Correspondence, Re: Articles: "Suggested Method For The Resolution of Scatchard Plots," 1977
f.17 Correspondence, Re: Articles: "Swimming of Flagellated Microorganism," 1974-1978
f.18 Correspondence, Re: Articles: "A Theoretical Approach To The Analysis of Axonal Transport," 1979-Sept. 1980
f.20 Correspondence, Re: Articles: "Wave Propagation In A Visco Elastic Tube Containing A Viscous Fluid," April 1977, June 1978

Box 4

f.1 Miscellaneous Notes w/ manuscripts: "Equilibrium Approximation," Nov. 1979
f.2 Miscellaneous Notes w/ manuscript: "Miscellaneous," 1980
f.3 Miscellaneous Notes w/ manuscript: "Radioimmunoassay," 1966-1980
f.4 Miscellaneous Notes found w/ manuscript: "Regulation & Induction by DNA," 1979-1980
f.5 Miscellaneous Notes found w/ manuscript: "2-State Model Ms.," July-Aug. 1979
f.6 Miscellaneous Notes found w/ manuscript: "Variable Generation Time Distribution Applied to Labeled Mitotic Fraction as Function of Time," 1968
f.8 "Mathematical Models In Molecular & Cellular Biology-Chapter Drafts
f.9 Mathematical Problems In The Biological Sciences: Correspondence w/ publisher & Final Draft, Nov. 1971-Jan. 1975
f.10 Mathematical Problems In The Biological Sciences: Original Lecture Notes, 1972
f.11 Correspondence Re: Publishing "Introduction To Mathematical Biology, 1973-1979
f.12 Introduction to Mathematical Biology" - Errata Notes
f.13 Introduction to Mathematical Biology" – Typescript, 1971 Version
Box 5

f.1 Academic Appts., 1963-1974
f.2 Age-Time Theory Applied to Human or Mammalian Populations: Articles, Notes, Figures, Correspondence, c. 1977
f.4 Annual Reports of Sloan-Kettering Institute & Biomathematics Dept., 1965-1966
f.5 Annuity Plan, Cornell University Medical College, 1970s
f.6 Axonal Transport: Notes, Figures, Correspondence, 1977-1978
f.7 Biographical Information
f.8 Biomathematics At Cornell University Medical College, Establishment of, 1980
f.9 Biomathematics At Cornell University Medical College, Program for Enhancement of, 1980
f.10 Biomathematics Colloquium - Correspondence. w/ Speakers for lst 1964-1965
f.11 Biophysical Journal - Correspondence. Re: Reviews of Manuscripts for Journal, 1974-1980
f.12 Biomathematics Course, Supplementary Notes, Dec. 1975
f.13 Blood Flow: Bibliography
f.14 Blood Flow: Captions & Illustrations. n.d.
f.15 Blood Flow: Constrained Viscoelastic Tube No Fluid, Notes, Drafts, 1969
f.16 Blood Flow: Draft & Notes
f.17 Blood Flow: Infinite Tube, Notes & Drafts
f.18 Blood Flow: Inviscid Fluid - Notes, Drafts

Box 6

f.1 Blood Flow: Keller, Joseph B., Communication from
f.2 Blood Flow: Miscellaneous Notes, 1968-1971
f.3 Blood Flow: Thin Viscoelastic Tube, No Fluid - Notes, Draft
f.4 Blood Flow: Transmission Line - Notes, Drafts
f.5 Blood Flow: Viscous Fluid, Constrained Elastic Tube
f.6 Blood Flow: Viscous Fluid - Figures
f.7 Blood Flow: Viscous Fluid - "Old Work"
f.8 Blood Flow: Viscous Fluid - Thin Elastic Tube, Numerical Computations
f.9 Blood Flow: Viscous Fluid, Thin Tube - "Newer Tube"
f.10 Blood Flow: Viscous Fluid in Thin Walled Tube-Typescript
Box 6 (cont)

f.13 Blood Flow: Wave Propagation - Viscous Fluid in Rigid Tube
f.14 Blood Flow: Relation of Work to Womersley
f.15 Blood Flow: Bone Marrow Transplantation" By A. Yen (?) w/ notes by S.R. (?), n.d. Fragment
f.16 Budget, Biomathematic Division, 1965-1967
f.18 Cell and Tissue Kinetics - Correspondence. Re: Reviews of Manuscripts, 1979-1980
f.19 Cell Biophysics-Editorial Board Correspondence. 1978-1980

Box 7

f.1 Cellular Aging Workshop, NIH - Correspondence. Re: & Papers on Subject (Not by Rubinow), 1974
f.2 Chlorella Cells: Notes, Correspondence w/Dr. Bernard Lachet
f.3 Clarkson, Bayard D - Correspondence, Review of Manuscripts for Blood, 1975-1980
f.4 Class Grade books, 1961-1965
f.5 Class Notes: Applied Math in Biology, c. 1970
f.6 Class Notes: Applied Math in Biology, c. 1970 "Wu's Notes"
f.7 Class Notes: Biomathematics Course, 1969-1975
f.8 Class Notes: Intro to Biomathematics, "E, Keller's Notes," 1970

Box 8

f.1 Compartment Analysis: An Inverse Problem": Notes, Figures, Draft
f.2 Compartment Systems That Are Closed": Notes, Figures, Drafts
f.3 Compertz Law: Notes, Figures c. 1977
f.4 Conferences - Correspondence, Programs from Mtgs. S.R. Did Not Attend, 1969-1978
f.5 American Association For The Advancement of Science – Correspondence. w/ them and American Mathematical Society, Programs, Conferences, 1976, 1977
f.6 Conferences - Biomathematics Workshop Co-sponsored by Cornell University Office of Naval Research, July 1968
f.7 Conferences: Biophysical Society, 2/1977
f.9 Conferences: Gordon Conference. on Theoretical Biology & Biomathematics, June 1980 - Correspondence. Re: Grant Support for Conference & Planning (S.R. Co-Chair)
f.10 Conferences: Gordon Conference, Applications, 1980
Box 8 (cont)

f.11 Conferences: Gordon Conference, 1980 - Correspondence. w/ Speakers, 1979-1980
f.12 Conferences: Gordon Research Conference, 1970-1979

Box 9

f.2 Conferences: Michigan State - Regional Conference. on Mathematical Problems in the Biological Sciences, June, 1972
f.3 Conferences: National Cancer Institute, "Cell Kinetics and Cancer Chemotherapy", Annapolis, Nov. 1975
f.4 Conferences: SIAM Institute for Mathematics & Society ALTA Utah, July 1976
f.5 Cornell Ischemic Heart Disease Specialized Center of Research (SKOR) - Grant Proposal, 1974
f.6 Coronary Blood Flow: Notes, Figures, Articles
f.7 Course Announcements, Division of Biomathematics, 1965-1979
f.8 Course for Medical Student, Ideas and Notes, n.d.
f.9 Dynamical Two-State Model of Cell Populations, Charts, 1978
f.10 Equipment, Biomathematics Division, 1977, 1981
f.11 Examinations: Physics Examinations given by Dr. Rubinow, Stevens Institute, c. 1961-1963
f.12 "Facilitated Diffusion of Oxygen by Hemoglobin and Myoglobin, Notes, Figures, Drafts, Correspondence
f.13 "Facilitated Diffusion of Oxygen by Hemoglobin & Myoglobin": Graphs
f.16 Former Employees: P-0, B. Knight, Letters of Appt., Biographical Info., etc. 1964-1969
f.17 Former Employees: P-10, Agnes Kuhlke, 1964-65
f.18 Former Employees: P-13, Dr. TaiTe Wu, - Personnel material, 1965-1970
f.19 Forward Scattering from a Dielectric Sphere: Calculations
Box 10

f.1 Geometric Progression of Clone Distribution
f.2 Good, Robert A., President & Director, Memorial Sloan Kettering Cancer Center - Memos from, 1973
f.3 Cornell University Graduate School of Medical Sciences General Comm., Cranch Report & Comments, Mission of GSMS, Memos, Agendas, 1970-1972
f.4 "Grants: NIH Proposal #2, Cornell University Medical College Computation Center Project," 1966-1967
f.7 Grants: NIH Proposal & Related Correspondence on "The Optimization of Drug Treatment Schedules," 1970-1977
f.8 Grants: NIH Proposal & Related Correspondence on "Reaction Diffusion Systems arising in Biology, Chemistry," 1977-1981
f.9 Grants: NSF Proposal & Related Correspondence on "A Mathematical Investigation of the Swimming of Flagellated Microorganisms & the Slow Motion of Slender Bodies in a Viscous Fluid," 1974-1977
f.12 Graph, Unidentified
f.13 Guggenheim Memorial Foundation Grant & Sabbatical Year: Application, Biog. Material, Correspondence, Itinerary, 1976-1978
f.14 Guggenheim Memorial Foundation: Correspondence, Programs, etc., 1978-1979

Box 11

f.1 Hart, Hiram - Correspondence., Manuscripts, 1976-1980
f.2 Health Insurance, Medical Matters, 1967-1980
f.3 Horsfall, Frank L., Jr., President & Director Memorial Sloan Kettering Cancer Center, Letters from, 10/1964-6/1970
f.4 Horsfall, Frank L., Jr., - Memos to Faculty, etc. Re: Appts., Policies, Meetings, etc., 6/1965-11/1971
f.5 International Society of Biophysics – Correspondence, 1974-1978
f.6 Review, 1976
f.7 Lecture Notes in Biophysics - Correspondence Re: Reviews of Articles, 1977-1979
f.8 Lectures: University of Maryland, Oct. 1973
Box 11 (cont)

f.9 Liesegang Rings: Notes, Figures, Articles, Correspondence
f.10 Lippmann, Bernard - Correspondence. Re: Hiring him at SKI, C.V. unpublished (?) manuscripts, 1967
f.11 Lists of Mathematical Books on Biology
f.13 Mathematical Biology Journal of, Correspondence. Re: Reviews of Manuscripts and his own articles, 1974-2/1980

Box 12

f.1 Memos, 1968-1/74
f.2 Memos, 11/64-1967
f.3 "Modification of the Monte Carlo Method" by H. Kahn, 11/14/1949 (copy #19 Rand Corp.)
f.4 Nonlinear Wave Propagation in a tube: Notes & Figures
f.5 Notes, Bibliographic Citation, Jottings
f.6 Notes, Miscellaneous
f.7 Notes, Miscellaneous
f.8 Office of Naval Research - Correspondence. Re: Contract for Work on "Mathematical Considerations of the Circulatory System," 1965-1971
f.9 Office of Naval Research, Letter to Requesting Funds for Division 2/14/1969
f.10 People (in mind) - Correspondence. Biographical Info., 1965-1966
f.11 Pharmacokinetics-Notes on for Lecture to Medical Students, 1974-1980
f.12 Rachele, Julian R., Assoc. Dean, Graduate School Memos, Exam, Announcements, letters from Students, 1967-June 1973
f.13 Requests for Reprints, 1969-1970
f.14 Rubinow, Rubin (Father of SR): Eulogy by Sol Rubinow, 9/7/1978
f.15 Scatchard Plots: notes, figures, drafts, graphs of articles

Box 13

f.1 Scattering from an Impenetrable/Penetrable Spitere: Calculations, Article
f.2 Shield, Robert-Letter & Research Data Sent to S. R. Re: Shields' Work on cell size's effection on cell cycle, 11/1979
f.3 The Shmoo: notes, figures, calculations
f.4 Sigma XI, Society of the, Cornell Chapter – Correspondence. Program, By-Laws, 1975-1980
Box 13 (cont)

f.5 Skibinsky, Morris - Correspondence. Re: Interest in position, 1968
f.7 SKI Senate Protem - Correspondence., Reports, Minutes, 6/1972-11/1973
f.8 Sloan Kettering Institute Systems & Procedures - Memos, Blueprint of Proposed Alterations in Division, 1953-1965
f.9 Society for Industrial & Applied Mathematics (SIAM)-Correspondence. Minutes, Announcements, 1974-3/1981
f.10 SIAM: Comm. on Mathematics in the Life Sciences – Correspondence, 975-4/1981
f.11 SIAM: Manuscripts for Refereeing, 1975-1980
f.12 "Sommerfeld's Representation of F(0) by Residue Sum": Calculations
f.13 Steady Flow Through Flexible Tubes: notes, calculations
f.14 Steady Flow Through Flexible Tubes: notes, calculations, etc.
f.15 Stem Cells, Aging: Figures

Box 14

f.1 Symposia Rubinow was in - Program, Correspondence, 1964-1966, 1970
f.2 Theoretical Biology, Journal of - Correspondence. Re: Reviews of Manuscripts, 1977-1978
f.3 University Senate, Cornell University Medical College, Cornell University-New York Hospital School of Nursing & Cornell University Graduate School for Medical Sciences, Proposal for and Planning Minutes, Jan - Feb. 1970
f.4 Notes on Vibration & Sound, 1956-1957
f.5 Notes on Vibration & Sound, 1956-1957
f.6 Wade, Leo - Memos from, 9/1964-1/1973
f.7 Wave Propagation in a viscous fluid: Original Drawings
f.8 Weaver, Warren - Correspondence Re: Biomathematics Division 8/1964-1/1969
f.9 Weizman Institute of Science, Rehovat, Israel – Correspondence, 1976-1980
f.11 Who's Who in World Jewry: Biographical Entry c. 1968
Box 15

f.1 Wu, Tai Te - Articles & Papers, 1966-1970
f.3 Yen, Andrew - Chapter from Thesis w/ note to and Marginalia by Dr. Rubinow, c. 1976

Box 16  (SLIDES)

Box 17

Notes on Schwinger - Field Theory
Notes on Schwinger - Quantum Mechanics

Box 18

Notes on Schwinger - Nuclear Physics (2v.)
Physiology Notebook, probably Cornell University Medical College, 1964-1965

Box 19

Mathematics Class Notes, CCNY, c. 1940s
Advanced Calculus I Class Notes, CCNY, c. 1940s
Preliminary Examination for Doctorate in Physics, University of Pennsylvania, c. 1945
Compressible Fluids - Notes on C. C. Lin's Course, c. 1940's
Miscellaneous notes, n.d.
Vibration & Sound Notes, 1956
Electricity and Magnetism Notes, Spring, 1958
Methods of Theoretical Physics, Lecture Notes, 1961-1962 (2v.)
Methods of Theoretical Physics by Morse & Feshbach, 1946 (mimeographed copy)
"Scattering of Neutrons by Deutrons" by Leo Sartori, Ph.D. Dissertation, M.I.T., Jan. -1956. Inscribed by author
Box 19 (cont)


"A Kinetic Model of Cooperatively in Aspartate Transcarbamylase" by Micah Dembo, Ph.D. Dissertation, Cornell University Medical College, 1976; supervised by S. Rubinow.

Rolodex listing addresses and phone numbers

Box 20

Unprocessed Mostly reprints.