

# Granick (Sam) papers

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# **Table of Contents**

| Summary Information                                 | 3  |
|---|----|
| Biographical/Historical note                        | 3  |
| Arrangement note                                    | 4  |
| File Plan note                                      | 4  |
| Administrative Information                          | 5  |
| Controlled Access Headings                          | 5  |
| Physical Characteristics and Technical Requirements | 6  |
| Collection Inventory                                | 6  |
| Biographical Material                               | 6  |
| Correspondence                                      |    |
| Laboratory Notebooks                                | 9  |
| Manuscripts   | 12 |
| Photographs   |    |
| Reprints  | 13 |

# **Summary Information**

**Repository:** Rockefeller Archive Center

**Creator - aut:** Granick, Sam

**Creator:** Rockefeller Institute for Medical Research

**Creator:** Rockefeller University

**Title:** Sam Granick papers, Rockefeller University Faculty

**ID:** FA232

**Date [inclusive]:** 1934-1978

**Physical Description:** 7.48 Cubic Feet Extent is an approximation

**Language of the** English

**Material:** 

### **Preferred Citation**

Information regarding the Rockefeller Archive Center's preferred elements and forms of citation can be found at <a href="http://www.rockarch.org/research/citations.php">http://www.rockarch.org/research/citations.php</a>

# Biographical/Historical note

Sam Granick, 1909-1977. Biological chemist and plant pathologist.

Born in New York City on February 16, 1909, Granick received his B.S. degree in 1931, M.S. in 1933, and Ph. D. in 1936 in plant physiology from the University of Michigan, where he was a Newcombe Fellow from 1932 to 1936. He spent the next two years at the University of Michigan as a teaching assistant and then an instructor, before joining the staff of the RIMR as a Visiting Investigator in 1938. In 1939, Granick was appointed a Fellow and worked in the laboratory of Leonor Michaelis. He was made an assistant two years later, became an associate professor in 1951, and a professor in 1964.

For more than thirty years, Granick's research interests were in the areas of chloroplast structure, heme and chlorophyll biosynthesis, and iron metabolism. His separation of chloroplasts from the plant cell was one of the earliest examples of the isolation of a cell organelle and made possible for the first time quantitative determinations of their composition. In 1947, he and Dr. Keith R. Porter took the

<sup>^</sup> Return to Table of Contents

Granick (Sam) papers

first electron microscope pictures of the chloroplast, which revealed their dense grana and disc-like components.

With Dr. Aharon Gibor, Dr. Granick found earliest evidence for the self-replication of DNA in chloroplasts by irradiation of the cytoplasm. He also discovered that the pigments of protoplasm, heme and chlorophyll, were members of the same biosynthetic chain.

Granick's first research interest at the RIMR was the iron-protein, ferritin, which he studied in connection with its magnetic properties. He helped in the discovery of a new protein, apoferritin, which acts as a storage depot in the human body to form hemoglobin, the red color substance in the blood.

Sam Granick died of a heart attack at New York Hospital on April 29, 1977.

Member of National Academy of Sciences, Member; American Chemical Society; American Academy of Arts and Sciences; American Society of Biological Chemists; American Society of Plant Physiologists; Botanical Society of America; Society for Developmental Biology; Harvey Lecturer; Phi Beta Kappa; Sigma Xi; Phi Kappa Phi; Junior Research Club of the University of Michigan.

Served as a referee for various journals and NIH and NSF grant proposals.

Was married to Dr. Elsa Bachman and had two children, Joel Lee and Donna.

^ Return to Table of Contents

# **Arrangement note**

Arranged in alphabetical and chronological order.

^ Return to Table of Contents

### File Plan note

Former Classification: I 450 G766

^ Return to Table of Contents

### **Administrative Information**

#### **Publication Statement**

Rockefeller Archive Center

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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 October 18

# **Conditions Governing Access note**

This collection is open for research.

^ Return to Table of Contents

# **Controlled Access Headings**

- Blood
- Hemoglobin
- DNA
- Proteins
- Life sciences
- Plant cells and tissues
- Biochemistry
- Medical sciences
- Medical technology
- Medical education
- Cell and biomolecular sciences
- Biology -- Research
- Medical research
- Science -- Study and teaching
- Granick, Sam
- Rockefeller Institute for Medical Research

• 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.

^ Return to Table of Contents

# **Collection Inventory**

# Biographical Material, 1950-1977, undated

#### **Scope and Contents note**

Includes bibliographies, biographies, clippings, curriculum vitae, memos, and obituaries.

#### **Arrangement note**

Arranged in chronological order.

| Title/Description                         | Instances |          |
|---|-----------|----------|
| Biographical Material, 1950-1977, undated | box 1     | folder 1 |

<sup>^</sup> Return to Table of Contents

### Correspondence, 1937-1977

Physical Description: 1.4 Cubic Feet

Title/Description Instances

Administrative, 1937-1977

Physical Description: 0.2 Cubic Feet

#### **Scope and Contents note**

Subjects include the hiring of Granick and the hiring of personnel for Granick's laboratory.

#### **Arrangement note**

Arranged in chronological order.

| 1937-1953 | box 1 | folder 2 |
|-----------|-------|----------|
| 1954-1968 | box 1 | folder 3 |
| 1969-1977 | box 1 | folder 4 |

General, 1948-1963 1967-1977

Physical Description: 1.2 Cubic Feet

#### **Scope and Contents note**

Also includes memos.

Correspondents include: William Agosta, Edward H. Ahrens, E.C. Albritton, Robert A. Aldrich, American Chemical Society, E.G. Anderson, Richmond K. Anderson, Reginald M. Archibald, W.O. Baker, S.I. Beale, Alexander G. Beam, Martin L. Black, Matthew Block, Lawrence Bogorad, James Bonner, Armin C. Braun, Frank Brink, Detlev W. Bronk, Bruce T. Burnham, George E. Cartwright, Britton Chance, Merrill W. Chase, Frank F.H. Cheng, J. Julian Chisholm, Frank A. Clarke, Bayard D. Clarkson, Seymour Cohen, Waldo Cohn, Aristine Coker, H. Bruce Collier, Alsoph H. Corwin, Lyman C. Craig, James F. Crow, Howard J. Curtis, Harrison Davies, Robert A.M.C. DeGroote, F. DeMatteis, Manfred Doss, Lennox Eales, John T. Edsall, A.M. Edwards, Matthew Ellenhorn, W.H. Elliott, Herman T. Epstein, John E. Falk, Myron W. Fisher, Waldo R. Flinn, Karl Folkers, Beverly W. Gabrio, Hans Gaffron, Arthur W. Galston, Martin A. Garstens, Herbert S. Gasser, Martin Gibbs, Aharon Gibor, Theodore Gillman, David M. Greenberg, Alexander B. Gutman, Philip Handler, Pauline M. Harrison, Felix Haurowitz, Sterling B. Hendricks, Harry R. Highkin, Rollin D. Hotchkiss, F.E. Hull, Arthur A. Iodice, Herbert Jaffe, Martin D. Kamen, Attallah Kappas, Joan Keilin, Albert Kelner, Chin Dong Kim, William R. Kinkel, Heinrich Kluver, Moses Kunitz, Henry G. Kunkel, Donald W. Kupke, Daniel N. Lapedes, Earl G. Larsen, June Lascelles, Richard Levere, L.M. Long, Evelyn McCune, S. Fergus MacDonald, William D. McElroy, David Mauzerall, Leonor Michaelis, Alfred Mirsky, Carl V. Moore, Ursula Muller-Eberhard, Ken Nadler, National Academy of Sciences, National Institutes of Health, National Science Foundation, J.B. Neilands,? Nicholas, Robert Omata, George Palade, S. William Pelletier, Philip Person, John W. Porter, C. Rimington, Thomas Rivers, M.N. Runner, Elizabeth S. Russell, Ruth Sager, Anthony S. San Pietro, Seiyo Sano, Shigeru Sassa, P. Schaeffer, Rudi Schraid, Eugene M. Schryner, Samuel Schwartz, William Seifriz, Frederick Seitz, David Shemin, Peter Sinclair, James H.C. Smith, Fabio Sparatore, Herbert Stern, George S. Strassman, William R. Taylor, William Trager, Bernard F. Trum, William J. Turner, Donald D. Van Slyke, Gilbert J.

Vosburgh, Andy Wang, Cecil J. Watson, D.J. Weatherall, A. Weissberger, Diter von Wettstein, Douglas M. Whitaker, David C. White, Torben K. With, and Yoshio Yoshida.

Subjects include comments by Granick on others publications, letters of recommendation, reports on experiments, and routine correspondence, including requests for chemicals.

### **Arrangement note**

Arranged in alphabetical order by correspondents' last name and then in chronological order.

| A-AO                                     | box 1 | folder 5  |
|--|-------|-----------|
| AP-AZ                                    | box 1 | folder 6  |
| B-BOE                                    | box 1 | folder 7  |
| BOGORAD, LAWRENCE (1950-1972), 1950-1972 | box 1 | folder 8  |
| BOL-BZ                                   | box 1 | folder 9  |
| C-COR                                    | box 1 | folder 10 |
| COT-CZ                                   | box 2 | folder 1  |
| D  | box 2 | folder 2  |
| Е  | box 2 | folder 3  |
| F  | box 2 | folder 4  |
| G-GL                                     | box 2 | folder 5  |
| GO-GZ                                    | box 2 | folder 6  |
| Н  | box 2 | folder 7  |
| I  | box 2 | folder 8  |
| J  | box 2 | folder 9  |
| К  | box 2 | folder 10 |
| L  | box 2 | folder 11 |
| M-MA                                     | box 3 | folder 1  |
| ME-MZ                                    | box 3 | folder 2  |
| N  | box 3 | folder 3  |
| 0  | box 3 | folder 4  |
| P  | box 3 | folder 5  |
| R  | box 3 | folder 6  |
| S-SCHM                                   | box 3 | folder 7  |
|  |       |           |

| SCHO-SMI                  | box 3 | folder 8 |
|---------------------------|-------|----------|
| SMO-SZ                    | box 3 | folder 9 |
| T                         | box 4 | folder 1 |
| U                         | box 4 | folder 2 |
| V                         | box 4 | folder 3 |
| W-WH                      | box 4 | folder 4 |
| WI-WZ                     | box 4 | folder 5 |
| X, Y, Z & Unidentified    | box 4 | folder 6 |
| Permission requests, 1954 | box 4 | folder 7 |

#### **Arrangement note**

Arranged in chronological order.

#### **Scope and Contents**

Permissions requested by Granick to use others' material in his publications

#### ^ Return to Table of Contents

# **Laboratory Notebooks**, 1942-1977

Physical Description: 4.5 Cubic Feet Extent is an approximation.

#### **Scope and Contents note**

Includes graphs and notes; also includes articles, charts, correspondence, photographs, reports, and slides.

#### **Arrangement note**

Arranged in chronological order and then in alphabetical order.

NOTE. All of the folders have maintained their original title, insofar as it was possible to read Granick's handwriting. Also, there appeared to be two groups of lab notebooks - those arranged chronologically (with titles in some cases) and those arranged by title of the experiments being performed. This arrangement has been kept.

| Title/Description   | Instances |           |  |
|---|-----------|-----------|--|
| 1942  | box 4     | folder 8  |  |
| Globin Prophyrins, 11/1/1944-3/3/1945                                 | box 4     | folder 9  |  |
| Chlorella Chloroplasts, Electron Microscope, I, 12/17/1945-2/27/1947  | box 4     | folder 10 |  |
| Chlorella Chloroplasts, Electron Microscope, II, 12/17/1945-2/27/1947 | box 4     | folder 11 |  |

| Agglutin Serum in Porphyrins in Tissue, Heme Chrome Toxins, 1945 1948 1949  | box 4 | folder 12 |
|---|-------|-----------|
| Chlorella Media Anaerobic Studies, Parainfluenza, Prodigious, I, 1947   | box 5 | folder 1  |
| Chlorella Media Anaerobic Studies, Parainfluenza, Prodigious, II, 1947  | box 5 | folder 2  |
| Chlorella, 11/26/1948-7/3/1951  | box 5 | folder 3  |
| Experiments with Index, 10/1948-1/1951  | box 5 | folder 4  |
| Horseheart Cytachromes, I, 9/13/1949-2/2/1950   | box 5 | folder 5  |
| Horseheart Cytachromes, II, 9/13/1949-2/2/1950  | box 5 | folder 6  |
| Prophyrin A, 1/23/1951-1953   | box 5 | folder 7  |
| Chlorella, 1951 1953-1956   | box 6 | folder 1  |
| Radio Fe, I, 9/24/1953-4/22/1954  | box 6 | folder 2  |
| Radio Fe, II, 9/24/1953-4/22/1954   | box 6 | folder 3  |
| Radio Tracer Methods & Expts, 10/1950 12/10/1953-3/29/1954  | box 6 | folder 4  |
| Protoporphyrin Synthesis in RBC, I, 1953-1956   | box 6 | folder 5  |
| Protoporphyrin Synthesis in RBC, II, 1953-1956  | box 6 | folder 6  |
| Coproporphyrin from Diphtheria; Starch Electrophoresp of Electrophoresis Convection, I RBC Hemoysates, 2/25/1954-5/8/1956   | box 6 | folder 7  |
| Coproporphyrin from Diphtheria; Starch Electrophoresp of RBC Hemoysates, Electrophoresis Convection, II, 2/25/1954-5/8/1956 | box 7 | folder 1  |
| Enzyme, 1954-1956   | box 7 | folder 2  |
| Euglena Coprogen, 9/24/1956-7/10/1958   | box 7 | folder 3  |
| Chlorophyll, I, 11/29/1958-4/8/1959   | box 7 | folder 4  |
| Chlorophyll, II, 11/29/1958-4/8/1959  | box 7 | folder 5  |
| Barley & Beans, 9/22/1959-10/1960   | box 7 | folder 6  |
| Microscope Studies, 1/4/1960-10/14/1960   | box 7 | folder 7  |
| H3, D2, 1/5/1960-9/14/1961  | box 8 | folder 1  |
| Mg Proto, 3/17/1961-6/14/1961   | box 8 | folder 2  |
| 12/18/1961-5/1/1962   | box 8 | folder 3  |
| Embryo Chick Liver, Induction dAL Synth, I, 9/1962-4/1963   | box 8 | folder 4  |
| Embryo Chick Liver, Induction dAL Synth, II, 9/1962-4/1963  | box 8 | folder 5  |
| 11/20/1963-7/1/1964   | box 8 | folder 6  |

| 10/14/1964-1/13/1965 10/14/1965-6/8/1965 10/12/1965-6/8/1965 10/18/1966-5/24/1966 10/18/1966-5/24/1966 10/18/1966-5/24/1966 10/18/1966-5/24/1966 10/1966-9/1966 10/1966-9/1966 10/1966-9/1966 10/1966-2/1967 10/1966-2/1967 10/1968-10/1968 10/1968-10/1968 10/1968-11/3/1969 10/1968-11/3/1968 10/1968-11/3/1969 10/1968-11/3/1969 10/1968-11/3/1969 10/1968-11/3/1968 10/1968-11/3/1969 10/1968-11/3 |  | box 9  | folder 1 |
|--|--|--------|----------|
| 11/20/1965-6/8/1965   box 9   folder 4     11, 1/20/1965-6/8/1965   box 9   folder 5     1/18/1966-5/24/1966   box 9   folder 6     1/18/1966-5/24/1966   box 9   folder 7     1/18/1966-5/24/1966   box 9   folder 7     1/18/1966-5/1967   box 10   folder 1     1/19/1968-10/1968   box 10   folder 2     1/19/1968-10/1968   box 10   folder 3     1/19/1968-11/3/1969   box 10   folder 4     1/19/1968-11/3/1969   box 10   folder 5     1/19/1968-11/3/1969   box 10   folder 5     1/19/1968-11/3/1969   box 10   folder 6     1/19/1968-11/3/1969   box 11   folder 6     1/19/1968-11/3/1971   box 11   folder 1     1/19/1971-1/26/1971   box 11   folder 3     1/19/1971-1/26/1971   box 11   folder 3     1/19/1971-1/26/1971   box 11   folder 4     1/19/1971-1/23/1972   box 12   folder 6     1/19/11-1/23/1972   box 12   folder 6     1/19/11-1/23/1972   box 12   folder 6     1/19/11-1/23/1973   box 12   folder 6     1/19/1972-4/18/1973   box 12   folder 6     1/19/1973-2/12/1974   box 12   folder 6     1/19/1973-2/12/1974   box 13   folder 7     1/19/1974-1/1974   box 13   folder 1     1/19/1974   box 13   folder 2     1/19/1975   box 13   folder 4     1/19/1976-2/9/1977   box 13   folder 4     1/19/1976-2/9/1977   box 13   folder 6     1/19/1976-2/9/1977   box 13   fold   | II, 12/1963-1/1965   | box 9  | folder 2 |
| II.   1/20/1965-6/8/1965   box 9   folder 5     1/18/1966-5/24/1966   box 9   folder 6     6/1966-9/1966   box 9   folder 7     9/1966-2/1967   box 10   folder 1     12/1967-6/1969   box 10   folder 2     Muscle, 10/1968-10/1968   box 10   folder 3     Muscle, 10/1968-11/3/1969   box 10   folder 4     Proto Chlorophyllide-Light Reactions, II.   1/17/1969-2/3/1969   box 10   folder 5     Proto Chlorophyllide-Light Reactions, II.   1/17/1969-2/3/1969   box 10   folder 6     8/1969-6/1970   box 11   folder 1     8/1970-5/17/1971   box 11   folder 2     2/1971-9/1971   box 11   folder 3     5/20/1971-7/26/1971   box 11   folder 4     ALA Method, II.   1971   box 11   folder 5     ALA Method, II.   1971   box 11   folder 6     7/1971-12/23/1972   box 12   folder 6     ALA-S, 8/1972   box 12   folder 1     ALA-S, 8/1972   box 12   folder 2     Antibody Synth, ALA-Pyrrole, 8/1972   box 12   folder 3     Porphyrins in Blood - Lead Poisoning, 1972   box 12   folder 5     Insulin, II.   4/23/1973-6/30/1973   box 12   folder 5     Insulin, II.   4/23/1973-6/30/1973   box 12   folder 6     Insulin, II.   4/23/1973-6/30/1973   box 13   folder 1     IJ/1974   box 13   folder 3     IJ/1974   box 13   folder 4     III/10/1976-2/9/1977   box 13   folder 4     III/10/1976-2/9/1977   box 13   folder 5     III/10/1976-2/9/1977     | 10/14/1964-1/13/1965   | box 9  | folder 3 |
| 1/18/1966-5/24/1966   box 9   folder 6   6/1966-9/1966   box 9   folder 7   9/1966-2/1967   box 10   folder 1   12/1967-6/1969   box 10   folder 2   Muscle, 4/1968-10/1968   box 10   folder 3   Muscle, 10/1968-11/3/1969   box 10   folder 4   Proto Chlorophyllide-Light Reactions, II, 1/17/1969-2/3/1969   box 10   folder 5   Proto Chlorophyllide-Light Reactions, II, 1/17/1969-2/3/1969   box 10   folder 6   8/1969-6/1970   box 11   folder 1   8/1970-5/17/1971   box 11   folder 2   2/1971-9/1971   box 11   folder 3   5/20/1971-7/26/1971   box 11   folder 4   ALA Method, II, 1971   box 11   folder 5   ALA Method, II, 1971   box 11   folder 6   7/1971-12/23/1972   box 12   folder 6   7/1971-12/23/1972   box 12   folder 1   ALA-S, 8/1972   box 12   folder 2   Antibody Synth, ALA-Pyrrole, 8/1972   box 12   folder 3   Porphyrins in Blood - Lead Poisoning, 1972   box 12   folder 3   Porphyrins in Blood - Lead Poisoning, 1972   box 12   folder 5   Insulin, II, 4/23/1973-6/30/1973   box 12   folder 6   Insulin, II, 4/23/1973-6/30/1973   box 12   folder 6   Insulin, II, 4/23/1973-6/30/1973   box 12   folder 7   7/9/1973-2/12/1974   box 13   folder 1   IS/1/1974   box 13   folder 2   III, 5/1/1974   box 13   folder 3   Mice, 6/4/1975   box 13   folder 4   III/10/1976-2/9/1977   box 13   folder 4   | I1/20/1965-6/8/1965  | box 9  | folder 4 |
| box 9  | II, 1/20/1965-6/8/1965                                       | box 9  | folder 5 |
| 9/1966-2/1967   box 10   folder 1     12/1967-6/1969   box 10   folder 2     Muscle, 4/1968-10/1968   box 10   folder 3     Muscle, 10/1968-11/3/1969   box 10   folder 4     Proto Chlorophyllide-Light Reactions, II, 1/17/1969-2/3/1969   box 10   folder 5     Proto Chlorophyllide-Light Reactions, II, 1/17/1969-2/3/1969   box 10   folder 6     8/1969-6/1970   box 11   folder 1     8/1970-5/17/1971   box 11   folder 2     2/1971-9/1971   box 11   folder 3     5/20/1971-7/26/1971   box 11   folder 4     ALA Method, I, 1971   box 11   folder 5     ALA Method, II, 1971   box 11   folder 6     7/1971-12/23/1972   box 12   folder 1     ALA-S, 8/1972   box 12   folder 2     Antibody Synth, ALA-Pyrrole, 8/1972   box 12   folder 3     Porphyrins in Blood - Lead Poisoning, 1972   box 12   folder 4     12/27/1972-4/18/1973   box 12   folder 5     Insulin, II, 4/23/1973-6/30/1973   box 12   folder 5     Insulin, II, 4/23/1973-6/30/1973   box 12   folder 6     Insulin, II, 4/23/1973-6/30/1973   box 12   folder 7     7/9/1973-2/12/1974   box 13   folder 1     Is//1974   box 13   folder 3     Insulin, II, 4/23/1975-6/30/1973   box 13   folder 3     Insulin, II, 4/23/1975-6/30/1973   box 13   folder 3     Insulin, II, 4/23/1975-6/30/1973   box 13   folder 3     Insulin, II, 4/23/1975-6/30/1975   box 13   folder 4     Insulin, II, 4/23/1975-6/30/1975   box 13   folder 5     Insulin, II, 4/23/1975-6/30/1975   box    | 1/18/1966-5/24/1966  | box 9  | folder 6 |
| 12/1967-6/1969   box 10   folder 2   | 6/1966-9/1966  | box 9  | folder 7 |
| Muscle, 4/1968-10/1968         box 10         folder 3           Muscle, 10/1968-11/3/1969         box 10         folder 4           Proto Chlorophyllide-Light Reactions, I, 1/17/1969-2/3/1969         box 10         folder 5           Proto Chlorophyllide-Light Reactions, II, 1/17/1969-2/3/1969         box 10         folder 6           8/1969-6/1970         box 11         folder 1           8/1970-5/17/1971         box 11         folder 2           2/1971-9/1971         box 11         folder 3           5/20/1971-7/26/1971         box 11         folder 3           ALA Method, I, 1971         box 11         folder 5           ALA Method, II, 1971         box 11         folder 6           7/1971-12/23/1972         box 12         folder 1           ALA-S, 8/1972         box 12         folder 2           Antibody Synth, ALA-Pyrrole, 8/1972         box 12         folder 3           Porphyrins in Blood - Lead Poisoning, 1972         box 12         folder 3           Porphyrins in Blood - Lead Poisoning, 1973         box 12         folder 5           Insulin, I, 4/23/1973-6/30/1973         box 12         folder 6           Insulin, II, 4/23/1973-6/30/1973         box 12         folder 7           7/9/1973-2/12/1974         box 13         folder  | 9/1966-2/1967  | box 10 | folder 1 |
| Muscle, 10/1968-11/3/1969 box 10 folder 4  Proto Chlorophyllide-Light Reactions, I, 1/17/1969-2/3/1969 box 10 folder 5  Proto Chlorophyllide-Light Reactions, II, 1/17/1969-2/3/1969 box 10 folder 6  8/1969-6/1970 box 11 folder 1  8/1970-5/17/1971 box 11 folder 2  2/1971-9/1971 box 11 folder 3  5/20/1971-7/26/1971 box 11 folder 4  ALA Method, I, 1971 box 11 folder 5  ALA Method, II, 1971 box 11 folder 6  7/1971-12/23/1972 box 12 folder 6  ALA-S, 8/1972 box 12 folder 1  ALA-S, 8/1972 box 12 folder 2  Antibody Synth, ALA-Pyrrole, 8/1972 box 12 folder 3  Porphyrins in Blood - Lead Poisoning, 1972 box 12 folder 3  Porphyrins in Blood - Lead Poisoning, 1972 box 12 folder 5  Insulin, I, 4/23/1973-6/30/1973 box 12 folder 6  Insulin, II, 4/23/1973-6/30/1973 box 12 folder 6  Insulin, II, 4/23/1973-6/30/1973 box 12 folder 7  7/9/1973-2/12/1974 box 13 folder 1  I5/1/1974 box 13 folder 2  LI, 5/1/1974 box 13 folder 3  Mice, 6/4/1975 box 13 folder 4  III/10/1976-2/9/1977 box 13 folder 5   | 12/1967-6/1969   | box 10 | folder 2 |
| Proto Chlorophyllide-Light Reactions, I, 1/17/1969-2/3/1969 box 10 folder 5  Proto Chlorophyllide-Light Reactions, II, 1/17/1969-2/3/1969 box 10 folder 6  8/1969-6/1970 box 11 folder 1  8/1970-5/17/1971 box 11 folder 2  2/1971-9/1971 box 11 folder 3  5/20/1971-7/26/1971 box 11 folder 4  ALA Method, I, 1971 box 11 folder 5  ALA Method, II, 1971 box 11 folder 6  7/1971-12/23/1972 box 12 folder 1  ALA-S, 8/1972 box 12 folder 2  Antibody Synth, ALA-Pyrrole, 8/1972 box 12 folder 3  Porphyrins in Blood - Lead Poisoning, 1972 box 12 folder 4  12/27/1972-4/18/1973 box 12 folder 5  Insulin, I, 4/23/1973-6/30/1973 box 12 folder 5  Insulin, II, 4/23/1973-6/30/1973 box 12 folder 7  7/9/1973-2/12/1974 box 13 folder 7  15/1/1974 box 13 folder 2  LI, 5/1/1974 box 13 folder 3  Mice, 6/4/1975 box 13 folder 4  II1/10/1976-2/9/1977 box 13 folder 5   | Muscle, 4/1968-10/1968                                       | box 10 | folder 3 |
| Proto Chlorophyllide-Light Reactions, II, 1/17/1969-2/3/1969 box 10 folder 6 8/1969-6/1970 box 11 folder 1 8/1970-5/17/1971 box 11 folder 2 2/1971-9/1971 box 11 folder 3 5/20/1971-7/26/1971 box 11 folder 4 ALA Method, I, 1971 box 11 folder 5 ALA Method, II, 1971 box 11 folder 6 7/1971-12/23/1972 box 12 folder 1 ALA-S, 8/1972 box 12 folder 2 Antibody Synth, ALA-Pyrrole, 8/1972 box 12 folder 3 Porphyrins in Blood - Lead Poisoning, 1972 box 12 folder 3 Insulin, I, 4/23/1973-6/30/1973 box 12 folder 5 Insulin, II, 4/23/1973-6/30/1973 box 12 folder 6 Insulin, II, 4/23/1973-6/30/1973 box 12 folder 7 7/9/1973-2/12/1974 box 13 folder 1 I5/1/1974 box 13 folder 2 LI, 5/1/1974 box 13 folder 3 Mice, 6/4/1975 box 13 folder 4 II1/10/1976-2/9/1977 box 13 folder 5  | Muscle, 10/1968-11/3/1969                                    | box 10 | folder 4 |
| 8/1969-6/1970 box 11 folder 1 8/1970-5/17/1971 box 11 folder 2 2/1971-9/1971 box 11 folder 3 5/20/1971-7/26/1971 box 11 folder 4 ALA Method, I, 1971 box 11 folder 5 ALA Method, II, 1971 box 11 folder 6 7/1971-12/23/1972 box 12 folder 1 ALA-S, 8/1972 box 12 folder 2 Antibody Synth, ALA-Pyrrole, 8/1972 box 12 folder 3 Porphyrins in Blood - Lead Poisoning, 1972 box 12 folder 4 12/27/1972-4/18/1973 box 12 folder 5 Insulin, I, 4/23/1973-6/30/1973 box 12 folder 5 Insulin, II, 4/23/1973-6/30/1973 box 12 folder 7 7/9/1973-2/12/1974 box 13 folder 1 IS/1/1974 box 13 folder 2 LI, 5/1/1974 box 13 folder 3 Mice, 6/4/1975 box 13 folder 4 I11/10/1976-2/9/1977 box 13 folder 5   | Proto Chlorophyllide-Light Reactions, I, 1/17/1969-2/3/1969  | box 10 | folder 5 |
| 8/1970-5/17/1971       box 11       folder 2         2/1971-9/1971       box 11       folder 3         5/20/1971-7/26/1971       box 11       folder 4         ALA Method, I, 1971       box 11       folder 5         ALA Method, II, 1971       box 11       folder 6         7/1971-12/23/1972       box 12       folder 1         ALA-S, 8/1972       box 12       folder 2         Antibody Synth, ALA-Pyrrole, 8/1972       box 12       folder 3         Porphyrins in Blood - Lead Poisoning, 1972       box 12       folder 4         12/27/1972-4/18/1973       box 12       folder 5         Insulin, I, 4/23/1973-6/30/1973       box 12       folder 6         Insulin, II, 4/23/1973-6/30/1973       box 12       folder 7         7/9/1973-2/12/1974       box 13       folder 1         IS/1/1974       box 13       folder 2         LI, 5/1/1974       box 13       folder 3         Mice, 6/4/1975       box 13       folder 4         III/10/1976-2/9/1977       box 13       folder 5   | Proto Chlorophyllide-Light Reactions, II, 1/17/1969-2/3/1969 | box 10 | folder 6 |
| 2/1971-9/1971   box 11   folder 3  | 8/1969-6/1970  | box 11 | folder 1 |
| 5/20/1971-7/26/1971       box 11       folder 4         ALA Method, I, 1971       box 11       folder 5         ALA Method, II, 1971       box 11       folder 6         7/1971-12/23/1972       box 12       folder 1         ALA-S, 8/1972       box 12       folder 2         Antibody Synth, ALA-Pyrrole, 8/1972       box 12       folder 3         Porphyrins in Blood - Lead Poisoning, 1972       box 12       folder 4         12/27/1972-4/18/1973       box 12       folder 5         Insulin, I, 4/23/1973-6/30/1973       box 12       folder 6         Insulin, II, 4/23/1973-6/30/1973       box 12       folder 7         7/9/1973-2/12/1974       box 13       folder 1         15/1/1974       box 13       folder 2         LI, 5/1/1974       box 13       folder 3         Mice, 6/4/1975       box 13       folder 4         111/10/1976-2/9/1977       box 13       folder 5  | 8/1970-5/17/1971   | box 11 | folder 2 |
| ALA Method, I, 1971 box 11 folder 5  ALA Method, II, 1971 box 11 folder 6  7/1971-12/23/1972 box 12 folder 1  ALA-S, 8/1972 box 12 folder 2  Antibody Synth, ALA-Pyrrole, 8/1972 box 12 folder 3  Porphyrins in Blood - Lead Poisoning, 1972 box 12 folder 4  12/27/1972-4/18/1973 box 12 folder 5  Insulin, I, 4/23/1973-6/30/1973 box 12 folder 6  Insulin, II, 4/23/1973-6/30/1973 box 12 folder 7  7/9/1973-2/12/1974 box 13 folder 1  IS/1/1974 box 13 folder 2  LI, 5/1/1974 box 13 folder 3  Mice, 6/4/1975 box 13 folder 4  I11/10/1976-2/9/1977 box 13 folder 5   | 2/1971-9/1971  | box 11 | folder 3 |
| ALA Method, II, 1971 box 11 folder 6 7/1971-12/23/1972 box 12 folder 1  ALA-S, 8/1972 box 12 folder 2  Antibody Synth, ALA-Pyrrole, 8/1972 box 12 folder 3  Porphyrins in Blood - Lead Poisoning, 1972 box 12 folder 4  12/27/1972-4/18/1973 box 12 folder 5  Insulin, I, 4/23/1973-6/30/1973 box 12 folder 6  Insulin, II, 4/23/1973-6/30/1973 box 12 folder 7  7/9/1973-2/12/1974 box 13 folder 1  15/1/1974 box 13 folder 2  LI, 5/1/1974 box 13 folder 3  Mice, 6/4/1975 box 13 folder 4  I11/10/1976-2/9/1977 box 13 folder 5   | 5/20/1971-7/26/1971  | box 11 | folder 4 |
| 7/1971-12/23/1972 box 12 folder 1  ALA-S, 8/1972 box 12 folder 2  Antibody Synth, ALA-Pyrrole, 8/1972 box 12 folder 3  Porphyrins in Blood - Lead Poisoning, 1972 box 12 folder 4  12/27/1972-4/18/1973 box 12 folder 5  Insulin, I, 4/23/1973-6/30/1973 box 12 folder 6  Insulin, II, 4/23/1973-6/30/1973 box 12 folder 7  7/9/1973-2/12/1974 box 13 folder 1  15/1/1974 box 13 folder 2  LI, 5/1/1974 box 13 folder 3  Mice, 6/4/1975 box 13 folder 4  I11/10/1976-2/9/1977 box 13 folder 5  | ALA Method, I, 1971  | box 11 | folder 5 |
| ALA-S, 8/1972 box 12 folder 2  Antibody Synth, ALA-Pyrrole, 8/1972 box 12 folder 3  Porphyrins in Blood - Lead Poisoning, 1972 box 12 folder 4  12/27/1972-4/18/1973 box 12 folder 5  Insulin, I, 4/23/1973-6/30/1973 box 12 folder 6  Insulin, II, 4/23/1973-6/30/1973 box 12 folder 7  7/9/1973-2/12/1974 box 13 folder 1  15/1/1974 box 13 folder 2  LI, 5/1/1974 box 13 folder 3  Mice, 6/4/1975 box 13 folder 4  I11/10/1976-2/9/1977 box 13 folder 5   | ALA Method, II, 1971   | box 11 | folder 6 |
| Antibody Synth, ALA-Pyrrole, 8/1972 box 12 folder 3  Porphyrins in Blood - Lead Poisoning, 1972 box 12 folder 4  12/27/1972-4/18/1973 box 12 folder 5  Insulin, I, 4/23/1973-6/30/1973 box 12 folder 6  Insulin, II, 4/23/1973-6/30/1973 box 12 folder 7  7/9/1973-2/12/1974 box 13 folder 1  15/1/1974 box 13 folder 2  LI, 5/1/1974 box 13 folder 3  Mice, 6/4/1975 box 13 folder 4  I11/10/1976-2/9/1977 box 13 folder 5  | 7/1971-12/23/1972  | box 12 | folder 1 |
| Porphyrins in Blood - Lead Poisoning, 1972 box 12 folder 4  12/27/1972-4/18/1973 box 12 folder 5  Insulin, I, 4/23/1973-6/30/1973 box 12 folder 6  Insulin, II, 4/23/1973-6/30/1973 box 12 folder 7  7/9/1973-2/12/1974 box 13 folder 1  I5/1/1974 box 13 folder 2  LI, 5/1/1974 box 13 folder 3  Mice, 6/4/1975 box 13 folder 4  I11/10/1976-2/9/1977 box 13 folder 5   | ALA-S, 8/1972  | box 12 | folder 2 |
| 12/27/1972-4/18/1973 box 12 folder 5 Insulin, I, 4/23/1973-6/30/1973 box 12 folder 6 Insulin, II, 4/23/1973-6/30/1973 box 12 folder 7 7/9/1973-2/12/1974 box 13 folder 1 I5/1/1974 box 13 folder 2 LI, 5/1/1974 box 13 folder 3 Mice, 6/4/1975 box 13 folder 4 I11/10/1976-2/9/1977 box 13 folder 5  | Antibody Synth, ALA-Pyrrole, 8/1972                          | box 12 | folder 3 |
| Insulin, I, 4/23/1973-6/30/1973 box 12 folder 6 Insulin, II, 4/23/1973-6/30/1973 box 12 folder 7 7/9/1973-2/12/1974 box 13 folder 1 I5/1/1974 box 13 folder 2 LI, 5/1/1974 box 13 folder 3 Mice, 6/4/1975 box 13 folder 4 I11/10/1976-2/9/1977 box 13 folder 5   | Porphyrins in Blood - Lead Poisoning, 1972                   | box 12 | folder 4 |
| Insulin, II, 4/23/1973-6/30/1973  box 12  folder 7  7/9/1973-2/12/1974  box 13  folder 2  LI, 5/1/1974  box 13  folder 3  Mice, 6/4/1975  box 13  folder 4  I11/10/1976-2/9/1977  box 13  folder 5   | 12/27/1972-4/18/1973   | box 12 | folder 5 |
| 7/9/1973-2/12/1974       box 13       folder 1         I5/1/1974       box 13       folder 2         LI, 5/1/1974       box 13       folder 3         Mice, 6/4/1975       box 13       folder 4         I11/10/1976-2/9/1977       box 13       folder 5  | Insulin, I, 4/23/1973-6/30/1973                              | box 12 | folder 6 |
| I5/1/1974       box 13       folder 2         LI, 5/1/1974       box 13       folder 3         Mice, 6/4/1975       box 13       folder 4         I11/10/1976-2/9/1977       box 13       folder 5   | Insulin, II, 4/23/1973-6/30/1973                             | box 12 | folder 7 |
| LI, 5/1/1974       box 13       folder 3         Mice, 6/4/1975       box 13       folder 4         I11/10/1976-2/9/1977       box 13       folder 5   | 7/9/1973-2/12/1974   | box 13 | folder 1 |
| Mice, 6/4/1975 box 13 folder 4  I11/10/1976-2/9/1977 box 13 folder 5   | I5/1/1974  | box 13 | folder 2 |
| I11/10/1976-2/9/1977 box 13 folder 5   | LI, 5/1/1974   | box 13 | folder 3 |
|  | Mice, 6/4/1975   | box 13 | folder 4 |
| II, 11/10/1976-2/9/1977 box 13 folder 6  | I11/10/1976-2/9/1977   | box 13 | folder 5 |
|  | II, 11/10/1976-2/9/1977                                      | box 13 | folder 6 |

| 2/17/1977   | box 13 | folder 7  |
|---|--------|-----------|
| Lab. Methods, 1973-1974                                     | box 14 | folder 1  |
| Literature Analyses. Heme. Porphyrins. Bile Pigments, 1940s | box 14 | folder 2  |
| Memos & Notes I, 1976-1977                                  | box 14 | folder 3  |
| Memos & Motes II, 1966                                      | box 14 | folder 4  |
| Memos & Notes III, undated                                  | box 14 | folder 5  |
| Memos Notes IV, undated                                     | box 14 | folder 6  |
| Memos & Notes V, 1977                                       | box 14 | folder 7  |
| Memos & Notes VI, 1977                                      | box 14 | folder 8  |
| NaBH4. Glutaldehyde, I, 1960                                | box 14 | folder 9  |
| NaBH4. Glutaldehyde, II, 1960                               | box 14 | folder 10 |
| Pyrroles. Bile Pigment Methods. Test Literature, 1940s      | box 15 | folder 1  |
| TLC, Fe Proto Prep & Expts, 2/10/1977                       | box 15 | folder 2  |

<sup>^</sup> Return to Table of Contents

# **Manuscripts**, 1957-1958

# **Scope and Contents note**

Notes and reports.

Subjects include Granick's annual report - handwritten and typed - for 1957-1958.

### **Arrangement note**

Arranged in chronological order.

| Title/Description      | Instances |          |
|------------------------|-----------|----------|
| Manuscripts, 1957-1958 | box 15    | folder 3 |

<sup>^</sup> Return to Table of Contents

# Photographs, 1939-1973, undated

# **Scope and Contents note**

Includes electron micrographs, laboratory shots, and portraits.

Subjects include Granick and tobacco chloroplasts.

# **Arrangement note**

Arranged in chronological and in alphabetical order.

| Title/Description                               | Instances |           |
|---|-----------|-----------|
| Electron Micrographs, 1952                      | box 15    | folder 5  |
| Electron Micrographs, Record Sheets, 1952 1957  | box 15    | folder 6  |
| Electron Micrographs, RCA 1A, 5/30/1957         | box 15    | folder 7  |
| Electron Micrographs, RCA 1B, 5/30/1957         | box 15    | folder 8  |
| Electron Micrographs, RCA 3B, 5/30/1957         | box 15    | folder 9  |
| Electron Micrographs, RCA 4B, 5/30/1957         | box 15    | folder 10 |
| Electron Micrographs, RCA 5A, 5/30/1957         | box 15    | folder 11 |
| Electron Micrographs, Siemens 5, 5/30/1957      | box 15    | folder 12 |
| Electron Micrographs, Siemens 6, 5/30/1957      | box 15    | folder 13 |
| Electron Micrographs, Siemens 7, 5/30/1957      | box 15    | folder 14 |
| Electron Micrographs, Tobacco Chloroplast, 1952 | box 15    | folder 15 |
| Glass Negatives, 1957 May 30                    | box 16    |           |
| Mounted Prints - Chromonas, 1952 May 12         | package 1 |           |
| Mounted Prints - Siemens 6, 7, 1957 May 30      | package 1 |           |

<sup>^</sup> Return to Table of Contents

# Reprints, 1934-1978

### **Scope and Contents note**

Includes reprints; also includes a booklet and reports by Granick on papers by others.

# **Arrangement note**

Arranged in chronological order.

### Processing Information note:

### **Processing Information note**

Reprint Volumes were separated to RAC library 8/9/1988.

| Title/Description  | Instances |           |  |
|--|-----------|-----------|--|
| Reprints (#157-159), 1977-1978                           | box 15    | folder 16 |  |
| Reprints - NAS Biographical Memoir of L. Michaelis, 1958 | box 15    | folder 17 |  |
| Reprints - Reports by SG on Papers by Others, 1950-1951  | box 15    | folder 18 |  |

^ Return to Table of Contents