

15/17/20  
 Liberal Arts and Sciences  
 Physiology  
 Frederic R. Steggerda Papers, 1924-1971

## Contents:

<u>Boxes</u> <u>Volume</u>	<u>Subject, Dates</u>		
1-2	Personal Interviews, 1925-1971	.6	
3	Student Papers, 1924-1929	1.0	
4-8	Personal and Institutional Correspondence, 1925-1971		5.0
9-10	Subject Correspondence, 1948-1968	.6	
11	Professional Societies and Civic Groups, 1930, 1935-1969	.3	
12	Fulbright Lectureship in Japan, 1961		1.0
13	American Physiological Society Meeting at Urbana, 1959	.3	
14	Project HOPE, 1969; Carle Clinic, 1966-69	.3	
15	Departmental Matters, 1935-1971	1.0	
16-19	Course Materials, 1929-1971	4.0	
20	Reprints, 1925-1971	1.0	
21-22	Research Activities and Grants, 1929-1971	2.0	
23	USAF and NSF Research, 1951-1967		1.0
24	NSF Research Reports, USDA Research 1959-1971		1.0
25-26	Equipment and Supplies Correspondence and Catalogs, 1940-1967	.6	

Box 1:

Vitae, lists of publications, photographs, obituary, faculty memorial, information on birthplace and family, memorabilia from graduate school days, copies of appointments, speeches, contributing article to encyclopedia of science and technology, designs for folding lab bleachers, information on the study of medicine, animal experimentation, and proper nutrition and diet.

Box 2:

Information relating to special interests: the teaching of science, exercise and physical fitness, gerontology, physiology as related to athletics and physical education, automotive safety, the Mckinley research project; brochures about the Mayo Clinic, Abbott Laboratories, the Nutrition Foundation, the American Dry Milk Institute, the National Live Stock and Meat Board; Directories of members of professional societies.

Box 3:

Student papers, Lecture notes from graduate courses: physiology 104, physical chemistry, bacteriology, pharmacology, biochemistry, neurology, physiological chemistry, applied physiology, histology, roentgenology, metabolism, physiology at Woods Hole, Mass. Term papers, M. A. thesis (1929), preliminary exam (1929), Ph.D. thesis (1929).

Box 4: Boxes 4-8: Correspondence - Personal and Institutional, Alphabetically arranged (with chronological subdivisions)

Principal correspondence include:

George H. Berryman - Abbott Lake  
 Mel Bosma - Oak Ridge National Laboratories  
 R. K. Brewer - ABCC  
 Horace K. Burr - USDA - Agriculture Research Laboratory  
 Charles F. Code - Mayo Clinic  
 Ivan E. Deanhof  
 Doemling, Dimmick, Barber, Wennig  
 Hiram Essex - Mayo Clinic  
 M. K. Fahnestock - Assistant Director Engineering Experimental Station  
 Kenneth J. Franklin - (London) Medical College St. Bartholemew's Hospital  
 (Dep't. of Physiology)  
 M. H. F. Friedman - Jefferson Medical College of Philadelphia, Pennsylvania  
 Douglas N. Frost - Abbott Labs - head, Nutrition Department  
 Robert W. Harrison - University of Rhode Island - research collaborator  
 Carl G. Hartman - Orthopedic Research Laboratories  
 H. F. Helmholtz, Jr. - Mayo Clinic  
 Hiroshi Irisawa - Hiroshima University  
 A. C. Ivy - University of Illinois Medical School  
 Charles G. King - Scientific Division - Nutrition Foundation  
 Edward Larson - University of Miami  
 Marvin T. Leffer - Abbott Lake  
 Rand. McCann - Director, American Dry Milk Institute  
 Paul Mandeville - Library Resource Council  
 R. M. Melampy  
 Samir Miladi  
 Akira Murata  
 T. Nagata  
 Carl F. Neumann - National Live Stock and Meat Board  
 Douglas Nicholson - Fisher Scientific  
 Yoshiro Nishida  
 Yasuyosi Nisimaru - worked with Barcroft and Steggerda at Cambridge  
 M. J. Oppenheimer - Physiology, Temple University  
 Dr. Plummer - Ciba  
 Robert S. Pogrund  
 R. C. Pollock - General Manager

Donald T. Pues  
 J. P. Quigley - University of Tennessee  
 E. A. Richards  
 R. K. Richards - Department of Clinical Research - Abbott Lab  
 Joseph J. Rockis - USDA  
 Grover J. D. Schock  
 Morris Steggerda - Cold Spring Harbor  
 Teunis Vergeer - Physiology - Hope College  
 Maurice B. Vesscher - University of Minnesota Medical School  
 E. H. Volwiler - Vice President Abbott Laboratories  
 Morris B. Wartzman - Western Reserve  
 Willard C. Wichers - Netherlands Information Service  
 Rev. Edward Williams - The Restoration Fund of the Presbyterian Church of the

## USA

F. F. Yonkman - Ciba

A - Institutional, 1931-57, 1963-71

- Personal, 1938-71
  - Allen, Raymond B., 1940-43
  - Amberson, W. R., 1930-34

B - Institutional, 1932-51, 1964-70

- P. Blakiston's Son and Co., 1929-36
- Board of Trustees, 1953-57
- Personal, 1930-48, 1950-71
  - Barcroft, Sir Joseph, 1931-36
  - Bollman, J. L., 1938-40
  - Booher, L. E., 1946-50
  - Burge, W. E., 1929-35
  - Brown, Robert B., 1938-40

C - Institutional, 1931053, 1963-70

- Congressional Correspondence, 1965-66
- Creamery Pkg. Mfg. Co., 1939-41
- Personal, 1931-71
  - Carmichael, (Dean) R. D., 1934-44
  - Collins, (Dean) A., 1934-43

D - Institutional, 1948-58, 1960

- Demonstrator's Association of Illinois, 1940-41
- Personal, 1930-71
  - Dagga, Ray G., 1957-60
  - Dawson, H. S. (Dean), 1937-40
  - Dancey, Charles, 1940-43
  - DeYoung, Chris A., 1940-41

Box 5:E - Institutional, 1931-45, 1968

- Personal, 1932-71
  - Ebersol, E. T., 1937-41
  - Edwards, H. M., 1938-44

- Essex, H. T., 1933-43

F - Institutional, 1933-61, 1963-69

- Personal, 1933-71
- Fairbanks, B. W., 1938-41
- Ford, W. E., 1939-43

G - Institutional, 1930-52, 1966-71

- Personal, 1929-71
- Gellhorn, Ernst, 1936-41
- Goldforb, A. J., 1933-41
- Greisheimer, E. M., 1932-41

H - Institutional, 1932-63, 1967-71

- Hope College Memorial for Dr. Patterson, 1930-71
- Personal, 1930-71
- Hartman, Carl G., 1941-43
- Harwood, F. H., 1941-42
- Hektoen, L., 1938-41
- Higgins, George, 1935-40
- Hooker, D. R., 1931-40
- Hull, M. E. (M&R Dietetic Labs), 1939-41
- Hyman, O. W., 1929-33

I - Institutional, 1932-49, 1959-67

- Personal, 1931-49, 1951-71
- Ingle, Dwight, 1936-41

Box 6:

J - Institutional, 1940-49

- Personal, 1929-70

K - Institutional, 1939-41

- Personal, 1930-71
- Kamm, O., 1932-37
- Kampmeir, O. F., 1941
- King, J. T., 1931-39
- Knauf, Albert, 1936-43
- Knisely, M. H., 1958-60

L - Institutional, 1930-69

- Lea and Febiger, 1934-40
- Personal, 1930-71
- LeBlanc, B. O., 1935-41
- Lyman, J. F., 1940

M - Institutional, 1935-59, 1962-69

- McDonald Dairy Co., 1939-40
- University of Minnesota, 1929-34
- University of Mississippi, 1931
- Personal, 1930-71
- Mann, F. C., 1933-41

- Martin, E. A. (National Dairy Council), 1940-41
- McClanahan, H. H., 1932-37
- McClure (Dean) M. T., 1933-45
- Meeter, Martin, 1938-43
- Miladi, Samir (translated newspaper articles), 1969
- Miller, H. H., 1937-59
- Morris, W. E., 1940-41
- Morrison, D., 1938-39
- Moses, L., 1939
- Mulder, A. J., 1929-42
- Murata, Akira, 1965-70

N - Institutional, 1932-49, 1964-70  
 - Personal, 1929-71  
 -Neff, W. D., 1938-41

O - Institutional, 1930-48, 1967  
 - Personal, 1931-70  
 - Oppenheimer, J. J., 1940-41  
 - Orth, O. S., 1935-42

P - Institutional, 1938-62, 1966  
 - Personal, 1929-70  
 - Patterson, T. L., 1935-41  
 - Peck, (Dean) G. W., 1939-42  
 - Plunkett, Don, 1937-40  
 - Ponder, Eric, 1937-40

Q - Institutional, 1943, 1962-69  
 - Personal, 1942-61, 1963-68

R - Institutional, 1932-48, 1966-69  
 - Personal, 1929-71  
 - Richards, E. K., 1959  
 - Robbe, C. W., 1940-41  
 - Robinson, C. S., 1932-40  
 - Ruppel, P. E., 1940-41

S - Institutional, 1932-59, 1962-69  
 - W. E. Saunders Co., 1932-37  
 - Schering Corp., 1939-40  
 - Personal, 1930-50

Box 8:

S - Personal, 1951-71  
 - Schamp, Harvey, 1937-40  
 - Schock, G. J. D., 1957-59  
 - Scott, F. H., 1929-38  
 - Scott, H. M., 1940-41  
 - Seibert, H. C., 1941  
 - Semba, Takehiko, 1957-59

- Shimizu, Tsuyoshi, 1967-69
- Soderwall, A. L., 1938-43
- Steggerda, Morris, 1931-44
- Stipes, Rooney, 1939-41

T - Institutional, 1938-58, 1967

- Personal, 1932-42, 1949-71
- Taylor, A. B., 1937-43
- Thronson, J. E., 1937-48
- Turinsky, Otto, 1937-39

U, V - Institutional, 1931-56, 1963-69

- Personal, 1930-39, 1942-70
- VanDer Werff, Janet, 1941
- Van Lente, Kenneth, 1940
- Visscher, Maurice, 1932-40

W - Institutional, 1929-70

- William and Wilkins Co., 1939-40
- Wistar Institute, 1936-39
- Personal, 1930-71
- Wall, (Dean) F. T., 1959-61
- Weil, Arthur, 1940-41

X, Y, Z - Institutional, 1937-41

- Personal, 1931-71
- Yonkman, F. F. (Ciba), 1954-61
- Yonkman, Correspondence on ganglionic blockers: pendiomide and antrenyl (Ciba Ba-5473), 1951-52

Box 9: Subject File Correspondence:

Abbott Laboratories, 1957-61  
 A.A.V.P., 1951-64  
 Aerospace Medical Association Meeting, 1960  
 The Dr. William Beaumont Collection, 1951-53  
 Cancer Fund, 1949  
 Clark Laboratories, 1956-57  
 Extension Program for the Aged, 1949-52  
 Gordon Research Conference, 1967  
 Hope College - Class of 1925 - 25th reunion, 1950  
 Hope College - Class of 1925 - 30th reunion, 1955  
 Hope College Questionnaire, 1948-50  
 Hope College - Class of 1925 - Memorial Project, 1960-68  
 R. E. Johnson, 1949-51

Box 10: Subject File Correspondence:

Kent  
 Makoto Kobayashi, 1963-66  
 Physical Environment Unit - Executive Committee, 1947-50  
 Space Medicine, 1958-60

U.S.A.F., 1949  
 U.S.A.F., 1950  
 U.S.A.F., 1951  
 U.S.A.F., 1952  
 U.S.A.F., 1953  
 U.S.D.A., 1958-59  
 University Committee on Health Education in the Schools, 1947-50  
 University Senate Committee Reports, 1948-49  
 Dr. Van Dellen's Column, 1969  
 Visiting Scientist Program (A.P.S.), 1963-64  
 Vivisection Issue, 1946-53  
 War Assets Administration, 1947

Box 11: Correspondence with Professional and Civic Societies

American Association of Scientific Workers, 1939  
 American Gastroenterological Association, 1958  
 American Physiological Society (General), 1954-57  
 American Physiological Society Meetings, 1935-67  
 Federation of American Societies for Experimental Biology, 1958  
 Gastroenterology Research Group, 1950-69  
  
 Gastroenterology Section of A.P.S., 1951-58  
 International Union and Congress of Physiological Sciences, 1955-56  
 International Conference, 1955-62  
 Conference on Gastrointestinal Gas (at N.Y. Academy of Sciences), 1967  
 President of the Board of Education - School District 116, 1949-53  
 Exchange Club, 1948-68  
 Interclub Council Youth Committee, 1948-49  
 Journal Club - Physiology, 1930-35  
 Meeting of the Pulpit Committee, 1950  
 Mckinley Memorial Church, Building Committee, 1936-37

Box 12: Fulbright Lectureship in Japan:

Utami Conference, 1961  
 Information about the Fulbright program  
 Application and correspondence with Washington, D.C.  
 Information on Japan  
 International House of Japan  
 State Department Publications on international travel  
 Records of travelling expenses  
 Report on activities in Japan - photos, notes, newsclippings  
  
 Correspondence - Films to accompany lectures, 1958-61  
     Korea, 1960-61  
     Taiwan, 1961  
     T. Nagata, 1965-66  
     H. Naito, 1964  
     Y. Nisimaru (A.B.C.C.), 1960-61  
     H. Saiki, 1961  
     Abbott Laboratories, 1960-61  
     Ciba (Japan), 1961

Ciba (New Jersey), 1965  
 Hiroshima University, School of Medicine, 1954-65  
 Kumamoto University, 1961  
 Kyushu University, 1961  
 Nagasaki University, 1961  
 Kayama University, 1961  
 Japanese scientists (A-Z), 1961-65  
 U.S. Educational Commission in Japan, 1960-61  
 University of Illinois, 1958-61

Reprints:

T. Fukada  
 M. Goto  
 M. Ikai  
 H. Irisawa  
 T. C. Kao  
 T. Kawabata  
 J. Kawamata  
 K. Kotsuka  
 K. Miyakawa  
 T. Nagata  
 I. Nisida  
 Y. Nisimaru  
 K. Ogata  
 S. Okamoto  
 H. Soiki  
 H. Sasaki  
 T. Sasaki  
 M. Sato  
 T. Semba  
 J. Shibata  
 M. Sogami  
 M. Suzuki  
 Y. Toda  
 T. Tomita  
 Miscellaneous A-Z  
 Atomic Bomb Casualty Commission  
 Chiba University  
 Hiroshima University  
 Yonsei University

Box 13:

American Physiology Society Meeting at Urbana, 1959, including preliminary proposals and early correspondence (1956), notes and correspondence arranging for guest speakers and a program including demonstrations and symposia, accommodations, dining and ladies program; copies of financial records; copies of announcements, programs, invitations and instructions; and, the final report of the local committee.

Box 14:

Information of Project H.O.P.E> including correspondence, application brochures,



mementos of participation in the project, report of activities in Tunisia, information and biographical data concerning Tunisian colleagues (Samir Miladi and Redjeb Habib), and nutrition.

Literature on the Carle Foundation and its activities, correspondence (1966-69), reports of the committee on research and education (1967-69), information on the health appraisal program (1967-69) and the physical fitness evaluation program (1967).

Box 15: Departmental Matters:

Advisor to undergraduate students, 1959-60  
 Advisor to undergraduate students, 1960-61  
 Advisor to undergraduate students, 1964-65  
 Advisor to undergraduate students, 1965-66  
 Advisor to undergraduate students, 1966-67  
 Assistantship Correspondence, 1940  
 Assistantship Correspondence, 1941-49  
 Brochures and Announcements on Career and Research Opportunities (Government Agencies)  
 Brochures and Announcements on Career and Research Opportunities (Non-government Agencies)  
 Information on facilitating placement of students  
 Letters of recommendation  
 U of I Coordinating Placement Council  
 Committee on Qualifying Examinations, 1957  
 Committee on University Calendar, 1945-49  
 Divisional Committee of the Biological Science, 1939-41  
 Graduate Curriculum Committee  
 University Committee on the Preparation of Secondary School Teachers of Science, 1943-45  
 Search Committee for Head of Department, 1960  
 Announcements and Reports of U of I Senate Committees (Various), 1945-68  
 Announcements and Reports - Graduate Teaching Faculty, 1936-67  
 School of Life Sciences Faculty - proposal, announcement, reports  
 Communications from College of LAS, 1935-66  
 Physiology Staff Meetings - minutes, 1949-59  
 Department of Physiology and Biophysics - reports and memoranda, 1965-69  
 Administrative Structure of Department of Physiology,  
 Candidates for filling vacancies in Department of Physiology, 1940-71  
 Suggestion for darkroom  
 Building alterations and space allocations for Department, 1949  
 Course Changes in Department, 1960  
 Ph.D. program in Physiology  
 Preliminary Qualifying Examinations, 1946-69  
 Fellowships available through department of physiology  
 Proposals for new Biology Building, 1947  
 Dedication of Burrill Hall, September 8-11, 1959  
 Sabbatical Leave, fall semester, 1953-54  
 Laboratory of Seminars  
 Proposal for a course on the Physiology of Aviation  
 Announcements of Seminars  
 Janitor's grievance against department, 1941  
 The Physiology Newsletter, 1957, 1959-65, 1967-69

Box 16: Course materials:

Series of physiology laboratory manuals: sample of student laboratory manuals, notebooks, research reports and preliminary examinations. Information on the history of physiology, physiological publications, films, department course offerings, dental physiology (taught at Memphis) and gastrointestinal physiology (taught at Hiroshima), the optional experiment.

Box 17: Course materials:

Outlines, exams, term papers, and lecture notes for undergraduates and graduate physiology courses: 1b, 4, 6, 7, 9, 103, 292, 302, 306, 307, 401, 402, 403, 404, 410, 414, 490, 491, 495. Card index for physiology films and bibliographical card index.

Box 18: Course materials:

Class books (1933-1960), Master's theses supervised by Professor Steggerda.

Box 19: Course materials:

Ph.D. theses supervised by Professor Steggerda.

Box 20: Reprints: F. R. Steggerda  
 Morris Steggerda  
 Other physiologies

Box 21: Research:

Research - general  
 U.S. Public Health Service - general information  
 U.S. Public Health Service, Grant RG 5086 - application and correspondence  
 U.S. Public Health Service, Grant RG 5086 - reprints and related papers  
 U.S. Public Health Service, Grant RG 5086 - reports  
 U.S. Public Health Service, Grant RG 5340 - application and correspondence  
 U.S. Public Health Service, Grant HE 6976  
 National Live Stock and Meat Board Grants  
 National Live Stock and Meat Board Grants, Correspondence, 1952-53  
 Calcium Metabolism Research - Report for Abbott Laboratories  
 Calcium Metabolism Research - Data and Calculations  
 Calcium Metabolism Research - Data  
 Citric Acid Literature  
 Ciba Pharmaceuticals - Correspondence, 1959-62  
 Mexaform and related drugs - reprints and bibliographies  
 Final report for Ciba on Mexaform  
 Roentgen rays - reprints, abstracts, bibliographies  
 Gastrointestinal tract - abstracts  
 Studies on intestines of dogs  
 N.A.S.A. Consultant - materials and correspondence data books

Box 22: Research:

Calcium Data

Calcium Metabolism data  
 Calcium-phosphorous utilization data  
 Excretions of calcium by colon  
 Whole wheat and white bread data  
 High-fat, low-fat diet data  
 C14 data  
 Altitude data  
 data from Peru  
 Notes on intestinal motility  
 Surgery reports and X-rays of dogs  
 Colonic activity  
 Antispasmodic drug literature  
 Chronaxia  
 Frog data  
 Salivary glands  
 Freidman data  
 Bibliographical and index  
 Films - gastrointestinal motility

Box 23:

Air Force Contracts - research proposals, related correspondence, progress reports, final reports. Journals and technical reports on aviation medicine, medical nutrition, gas exchange.  
 and  
N.S.F. - College Teacher Research Program general information, program at Urbana, correspondence, applications 1962-64, annual reports (1962-67).

Box 24: N.S.F. Research Participation Program for College Teachers: research reports (1962-66).

U.S.D.A. Soybean Research - 1959-71:

Correspondence contract proposals and reports; reprints on soybean research, soybean allergenicity, nutrition and digestion; bean diets - (data and notes): dry bean research conferences.

Research grants include:

- #4515(74) on the relationship of processing methods to characteristics of dry bean products.
- #5770(74) on the development of methodology and physiological studies related to the characteristics of dry bean products.
- #6863(71) investigation to identify the factors causing digestive disturbances from soybeans to aid in development of improved soybean foods for export.
- #9176(71) investigation on flatus and gastrointestinal problems caused by ingestion of soybean protein foods as related to processing.

Box 25: Equipment and Supplies - catalogs A-Z, 1940-67

Box 26: Equipment and Supplies -

Catalogs of scientific films

Correspondence

Information, technical reports and specifications relating to accelerometers, odometers  
CO2 gas analyzers and ballistic pendulums.