



11/10/40
 Engineering
 Physics
 Hans Frauenfelder Papers, 1940-95

Box 1:

Biographical Data

Biographical sketch, publication abstracts, outlines and selected bibliography, 1980-84,
 1991
 Security Forms, 1991
 Summary of Research Interests, "Research End Reviews," 1991
 65th Birthday Symposium, 1987
 70th Birthday Symposium and Retirement Dinner, 1992
 Slide Rule

Correspondence, Individual, 1952-76

Abraham, A.,	1960-76
Alder, K. and A.,	1956-75
Alexopoulos, K.,	1960
Alpert, D.,	1958-70
Almy, G.,	1952-70
Atac, M.,	1966-68
Austin, R.,	1976
Chan, S.,	1971-76
Bardeen, J.,	1958-59
Bearden, A.,	1960-65
Benjamin, W. A. Inc. Publishers,	1966-70
Bernardini, G.,	1959-62
Bishop, A.,	1958-70
Blake, B.,	1962
Blatt, J.,	1953-62
Bleuler, E.,	1959-64
Bleuler, K.,	1958-62
Bobone, R.,	1959-62
Boehm, F.,	1956-72
Bohner, H.,	1958
Brugger, H.,	1960
Burckhardt, C.,	1967-70
Chew, G.,	1958-63
Coester, F.,	1952-62
Cook, D.,	1968-71
Cunningham, M.,	1958-69
Dash, J.,	1961-66
Debrunner, P.,	1960-76
de-Shalit, A.,	1954-61

de Waard, H.,	1961-75
Durrenmatt, F.,	1961-64
Dyson, F.,	1958
Eigen, M.,	1973-76
Eisenstein, L.,	1973-76
Feuchtwang, E.,	1962-63
Frankel, S.,	1954-62
Franz, F.,	1965-76
Friedman, F.,	1961
Garrell, M.,	1968-76
Garwin, R.,	1960-62
Gerber, H.,	1958-75
Gerdau, E.,	1974
Godwin, R.,	1967-76
von Goeler, E.,	1959-70
Goldanskii, V.,	1966-76
Gonser, U. and Frauenfelder, H. The Mössbauer Effect" Paper	
Correspondence,	1969
Gonser, U.,	1960-75
Gorodetzky, S.,	1959-60
Gränicher, H.,	1959-74
Greenbaum, E.,	1970-76
Grimshaw, W.,	1972-75
Grodzins, L.,	1958-67
Groves, J.,	1972
Gugelmann, J.,	1964-72
Gunsalus, G.,	1972-75
Hamermesh, M.,	1960-61
Harris, S.,	1961-64
Heer, E.,	1952-72
Heerbrugg, W.,	1965
Contact with Publishers re: notes by Frauenfelder, H.	
and Henley, E.,	1963-74
Hemmerich, P.,	1968-69
To E. Henley,	1963-75
From E. Henley,	1963-74
Letters relating to	
Subatomic Physics Books,	1971-75
Hochstrasser, U.,	1960-61
Holloway, W.,	1961-62
Huber, O.,	1958-76
Hyams, B.,	1957-75

Ingalls, R.,	1963-66
Jaeckel, R.,	1960-61
Jan, J.,	1962
Janot, C.,	1973-74
Jauch, J.,	1955-65
Jenkins, D.,	1972-74
Jensen, J.,	1957-62
Jentschke, W.,	1956-75
Känzig, W.,	1955-76
Kurti, N.,	1961
Landauer, R.,	1966-75
Lavatelli, L.,	1962
Lederman, L.,	1959-70
Lee, T.,	1956-67
Levine, N.,	1954-60
Lévy, M.,	1959
Lewis, H.,	1958-74
Licichenko, V.,	1967

Box 2:

Lipkin, H.,	1958-76
Llewellyn, R.,	1965-75
Lüscher, E., (2 folders)	1957-76
Mapother, D.,	1961
Margulies, S.,	1958-76
Marmier, P.,	1952-57
Matthias, B. and E.,	1961-67
Mayr, H.,	1957-69
Mertz, W.,	1959-60
Miescher, P.,	1967-68
Mössbauer, R.,	1959-70
Nagle, D.,	1960-76
Oliver, E.,	1973-76
Osland, P.,	1974
Pallman,	1960
Panyushkin, V.,	1968
Pasternak, M.,	1971-72
Peacock, N., (2 folders)	1954-64, 1976
Perdrisat, C.,	1962-67
Phillips, G.,	1972
Pines, D.,	1966-70

Pipkorn, D.,	1963, 1970
Placzek, E.,	1959
Ponnelle, Patrice,	1968-70
Ponnelle, Pierre,	1964-72
Potter, J.,	c. 1970, 1975
Pound, R.,	1953, 1960
Proch, K.,	1972
Propst, F.,	1961-62
Reddy, R.,	1971-72
Rieben, H.,	1956-58
Rohrlich, F.,	1960
Riepe, G.,	1962-63
Robl, H.,	1960-61
Rosbaud, P.,	1958-62
Rose, M.,	1952-58
Rosenfeld, W.,	1953-62
Rossel, J.,	1956-57
Rossi, A.,	1954-63, 1969
Runkel, P. and M.,	1958-65
Rüsch, P., (personal information)	1967
Russell, A.,	1970-72
Salzmann, G.,	1959-60
Scherrer, P., (includes obituary)	1957-69
Schmorak, M.,	1959
Schoch, A.,	1963
Schopper, H.,	1958, 1970
Schrieffler, J.,	1974-75
Seitz, F., (2 folders)	1956-73
Sharrock, M.,	1972-76
Sherr, R.,	1957-60
Sherwin, C.,	1960-61
Shvey, R.,	1967
Siegbahn, K.,	1954-55, 1961-65
Simmons, R.,	1971-76
Singer, S.,	1956-61, 1969-72
Sommerhalder, R.,	1959
Spijkerman, J.,	1975
Stähelin, P.,	1953-76
Steck, B.,	1966
Steffen, R.,	1953-74
Sunier, J.,	1962-63
Swerdlow, M.,	1960-62

Telegdi, V.,	1958, 1970
Thiemann, H.,	1960-62, 1973-74
Thirring, W.,	1959
Troesch, B.,	1960
Tumolillo, T.,	1969-74
Ullman, J.,	1958-1974
Valerio, J.,	1960
Villars, F.,	1957-58
Visscher, W.,	1959-61
Wakefield, E.,	1960-61
Walsh, J.,	1968
Walter, M.,	1953-55
Wei, C.,	1960
Weibel, G.,	1957, 1969
Weisskopf, V.,	1958-75
Wick, G.,	1959, 1963-64
Winther, A.,	1957, 1976
Wu, C.,	c. 1958-76
Yank, C.,	1957, 1969
Yuan, L.,	1958, 1962
Yuan, V.,	1976
Zunti, W.,	1952-58

Box 3Correspondence, Individual, 1975-82

Abraham, A.,	1977, 1980
Alberding, N.,	1977-81
Alder, K.,	1977-82
Austin, R.,	1977-82
Beece, D.,	1980-82
Chan, S.,	1977-80
Chance, B. and L.,	1977-82
Debrunner, P. G.,	1977, 1981
Eigen, M.,	1977-81
Eisenstein, L.,	1977-81
Franz, F.,	1977
Garwin, R. L.,	1977-82
Gavish, B.,	1977-82
Godwin, R.,	1977, 1980
Goldanskii, V., (2 folders)	1977-82
Gonser, U.,	1977-82

Gränicher, H.,	1977
Greenbaum, E.,	1977-82
Hänggi, P.,	1976-81
Harper, R.,	1979-82
Henley, E. M.,	1977-82
Hyams, B.,	1980-81
Jentschke, W. K.,	1977-80
Känzig, W.,	1977-82
Landauer, R.,	1978
Lee, T. D.,	1980
Lüscher, E.,	1977-82
Marden, M.,	1980-82
Mayr, H.,	1977
Mössbauer, R. L.,	1979-82
Nagle, D.,	1977-82
Nordlund, T.,	1977-81
Oliver, E.,	1977
Perutz, M. F.,	1977-82
Petsko, G.,	1978-81
Pines, D.,	1977-80
Potasek, M. J.,	1977-80
Reinisch, L.,	1981-82
Rentzepis, P. M.,	1977-81
Rossi, A.,	1977
Schrieffer, J.,	1974-75
Seitz, F.,	1977, 1980
Sharrock, M. D.,	1976-81
Simmons, R. O.,	1977-81
Stähelin, P.,	1979, 1981
Ullman, J. D.,	1977-78
Weisskopf, V.,	1977-80
Wu, C. S.,	1978, 1980
Yuan, V.,	1978-82

Correspondence, Individual, 1982-88

Alder, K.,	1982-88
Anderson, A. C.,	1986-88
Austin, R. H.,	1983-88
Bowne, S.,	1981-88
Chan, S.,	1983-88
Chance, B.,	1983-87
Eigen, M.,	1983-87

Eisenstein, L.,	1983-87
Garwin, R. L.,	1985
Gavish, B.,	1983-85
Goldanski, V. I., (3 folders)	1982-88

Box 4:

H _H anggi, P.,	1983-88
Henley, P.,	1983-88
Jentschke, W. K.,	1987
Känzig, W.,	1980-88
Lüscher, E.,	1983-88
Marden, M. C.,	1983-88
Marque, J.,	1986-88
Mossbauer, R. L.,	1984-87
Nagle, D. E.,	1984-87
Nordlund, T. M.,	1983-88
Perutz, M. F.,	1983-88
Petsko, G.,	1983-88
Pines, D.,	1983-87
Reinisch, L.,	1983-88
Schrieffner, J. R.,	1983-87
Shyamsunder, E.,	1985-88
Simmons, R. O.,	1983-88
Sorenson, L.,	1983-87

Correspondence, Individual, 1985-93

Alder, K.	1989-92
Anderson, A. C.,	1989-92
Austin, R. H.,	1989-92
Bagley, K. H.,	1990-93
Berendzen, J.,	1985-91
Campbell, D. K.,	1992
Chance, B.,	1989-91
Eigen, M.,	1990-93
Goldanski, V. I.,	1989-93
Hanggi, P.,	1989-93
Henley, E. M.,	1989-91
Iben, I. E. T.,	1989-91
Kanzig, W.,	1989-92
Luscher, E.,	1988-91
Marque, J.,	1989
Mossbauer, R. L.,	1989

Nienhaus, G. U.,	1989-92
Ormos, P.,	1989-93

Correspondence, General, 1952-95

General (4 folders), 1952-76	1962-93
A-B	

Box 5:

C-O, including
 Chance, B.
 Gunsalus, I. C.
 Gruner, W.
 Nussbaum, R.

Box 6:

P-Z, including
 Pasternak, P.

1977-82

A-C, including
Beeson, K. and Potasek, M.
Cohen, S.

Box 7:

D-O, including
Doster, W.
Douzou, P.
Ehrenberg, A.
Gunsalus, I. C.
Keszthelyi, L.

Box 8:

P-Z, including
Parak, F.
1983-89
A-Ce, including
Agmon, N.
Barschall, H.

Box 9:

Cf-K, including
Champion, P.
Di Iorio, E.
Gunsalus, I.C.
Hess, B.
Keszthelyi, L.
Karplus, M.

Box 10:

L-T, including
Langer, P.
Mandell, A.
Ormos, P.
Parak, F.
Schulten, K.
Slichter, C.

Box 11:

U-Z, including
Wolynes, P.

1985-95

A-F

Box 12:

G-Pq

Box 13:

Pr-Z

Correspondence, Chronological, 1981, 1985-92
(5 folders), 1981, 1985-86

Box 14:

(16 folders), 1987-92

Box 15:

Grants and Contracts, 1970-95

General Correspondence, Proposals, and Reports (3 folders), 1972, 1975, 1983-85
Health, Education and Welfare

Home Protein Reactions and Dynamics of a Multi-Enzyme System Grant,
Proposals and Correspondence (2 folders), 1970-90

National Institute of General Medical Sciences

Infrared Studies of Bacteriorhodopsin and Visual Pigment 1986, 1989

National Institute of Health

Home Protein Reactions, Grant Proposals, Correspondence and Reports
(3 folders), 1979-96, 1989

Infrared Studies of Bacteriorhodopsin and Visual Pigment Grant

Proposals, Correspondence, Report, Article, Notes, 1983-95

Molecular and Electronic Reactivity Conference, Philadelphia, 1984-86

Protein Dynamics and Protein Reactions

Grant Proposals, Correspondence (3 folders), 1984-92

National Science Foundation

Biomedical Research Support Request, 1980

Biomolecules: Paradigms of Complex Systems, Grant Proposal, 1992

Dynamics of Cooperativity, Grant Proposal and Correspondence, 1985-86

Fast Photoflash Equipment Funding Request, 1974-77, 1985

Photoelectric and Photochemical Studies of Bacteriorhodopsin Research

Proposal, Grants and Correspondence, 1979-80, 1983, 1986-87

Physical Studies of Biomolecules

Grant Proposals, Correspondence and Reports (9 folders), 1977-92

Proteins and Electric Phenomena, Grant Proposal, 1988

Workshop on Biomolecular Dynamics, Proposal, 1982
 Office of Naval Research
 Pressure Studies of Protein Dynamics
 Correspondence, Proposals, and Reports (4 folders), 1985-92
 United States-Israel Binational Science Foundation
 "Dynamics of Macromolecular Systems Studied by Mossbauer Spectroscopy," 1985
 University of Illinois
 Digital Signal Avenger with Logarithmic Time Base
 University Patents, Inc.
 Research Board Proposal for Additional Equipment, 1977

Box 16:

Patent Disclosure, 1973-74

"Digital Signal Avenger with Logarithmic Time Base" (2 folders), 1973-74

Publications, 1948, 1951-92

Papers and Conference Discussions on the Mossbauer Effect, 1960, 1965
 Reprints, 1973-74
 Reprints and Drafts, by subject order, 1972-80
 Reprints, Reviews, and Reports (6 folders), 1948, 1951-92

Student Notebooks, 1940-51

From the Swiss Federal Institute of Technology, Zurich (17 notebooks), 1940-51.
Mathematische Formelsammlung, O.Th. Burklen, 1943

Box 17:

Task Forces, Committees, Editorial Work, and Workshops, 1975-92

American Academy of Arts and Sciences, Election to, 1979, 1984
 American Philosophical Society, 1981-1985
 American Physical Society, 1980 Bonner Prize Committee, 1978-1979
 American Physical Society, Selection Committee, Editor-in-Chief, 1979
 Aspen Center for Physics, 1982
 1985

Biophysical Journal, 1977-1979

European Molecular Biology Laboratory, Instrumentation Policy Planning Committee, 1978-1980
 Journals Reviewed, 1977-1978
 National Academy of Sciences (NAS)
 Biological Physics Panel, 1990

Board of Physics and Astronomy, Biomolecular Materials, 1990

Nominating Committee, 1990

Proceedings of the NAS, 1982-88

including manuscripts, correspondence and reviews for
Alben, James O. and Fiamingo, F.G.

Balko, B., and Bucci, Enrico

Champion, Paul

Chuknyisky, P., Hiem, J., and Rifkind, J.M.

Frauenfelder, Hans, et. al.

Garcia, Angel

Gruner, Sol M.

Levy, Abraham

Trends in Science and Engineering Research Committee, 1987

US/USSR - Trip, Summer, 1984

US/USSR Workshop

Advisory Committee, 1988

National Research Council, 1987

Correspondence, 1986, 89

Dynamics of Proteins and Glasses

Proposal, 1986

Correspondence, 1989-92

Correspondence, 1990

National Science Foundation

Advisory Committee for Physics, 1978-1982

Cooperative Program with Hungary, 1978

Fellowship Panel Graduate Fellowships, 1982

Nuclear Regulatory Commission Conference on High Level Radioactive Waste Forms,
1978-1979

Office of Technology Assessment, 1978-85

Postdoctoral and Faculty Open Positions and Requests for Positions at UI, 1977-1982

Santa Fe Institute, 1986

Secretary of Energy Advisory Board, Task Force on

Energy Research Priorities, Second Meeting (2 folders), 1991, 1992

Sigma XI Publications Committee, 1986

Stanford Synchrotron Radiation Laboratory

Experiment, 1979-1981

Science Policy Board, 1980-1983, 1984

Box 18:

University of Arizona Institute for the Study of Complex Systems, 1987-1988

University of Illinois at Urbana-Champaign

Applications for Post-Doctoral Positions, 1982-1983
Awards Committee, 1977
Biohazards Committee, 1976-1977
Committee on Biological Research, 1975
Colloquium File, 1977
Evaluation Committee, 1976-1978
Genetics Workshop, 1977
Jobs at Illinois/Candidates, 1977
Nominations Committee, 1977
Physics 100, 1978-79
School of Life Sciences, Policy Advisory Forum, 1982
Search Committee, Vice-Chancellor for Research, 1985-86
U.S. Department of Energy, Neutron Sources for America's Future, 1993
Wiley Interscience, Editorial Advisory Board, "Chemical Physics in Biology Series," 1980
Workshop on Glasses, Biomolecules and Evolution, Santa Fe, May 1990

Teaching Materials, 1979, 1985-86, 1989-90

Physics of Biomolecules (2 folders), 1979

Box 19:

Physics of Biomolecules (2 folders), 1985

Physics of Proteins (2 folders), 1986

Physics of Proteins (2 folders), 1989-90