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Engineering

Materials Science and Engineering Department

Paul A. Beck Papers, 1907-97

Box 1:

Biographical-Curriculum Vitae and Publications List

Beck, Paul A., Published Articles, 1929-53

1954-60

1961-67

Requests for reprints, Addresses of persons writing to Paul Beck for reprints

AF-3789 Correspondence

RE: Contract, 1956-61

General, 1957-1960

AF-3789 Personnel (Former), 1954-1959

Analyses Correspondence, 1946-49

AROD-Army Research Office Durham

Personnel (Former) 1954-69

General Correspondence, October 1962-July 1973

ORD-Ordinance District, General Correspondence, 1953-Oct. 1962

AROD Correspondence RE: Contracts, Reports and Reprints, 1952-1961

AEC-9-Atomic Energy Commission, Correspondence (General) 1953-62

Equipment Fund- AEC 1963-74

AEC- Correspondence Contract, 1951-62

AEC-9 Personnel Former 1932-55, 1956-61(2 Folders)

Correspondence-B, 1948-80

Barrett, C.S. (Professor Metallurgy) 1946, 53-54,66,76

Magnetic Properties of FCC Au-Fe Alloys (AIME-) New York, (undated).

Micro Lectures, 1980-85

Lectures given by Paul A. Beck, 1951-85

Box 2:

Bever, Michael, MIT, Notre Dame, Physical Metallurgy, 1948-59

Burgers, W. G. Cu<sub>3</sub>Si, Inclusions in Aluminum crystals 1948-73

C-Correspondence, 1953, 1961, 1970, 1975

Cahn, Dr. R.W. University of Birmingham, England, Sigma Phases, Recrystallisation, 1953-54, 1957, 1960, 1970

Cohen, Morris, MIT, Martensitic Transformations, 1952-1954, 62, 67, 83.

Cottrell, Alan H. University of Birmingham, General Electric, 1950-1958

Correspondence-D-De, 1959, 1963, 1964

Di-Dz, 1951,53,55,62,64

Das, D.K. (Delta Phase), 1951-66

de Chatel, Peter (Nickel Alloys)1968-76

DeMayo, Benjamin, West Georgia College 1969-76

Demer, Louis J. 1949, 1956, 1964

Denver Research Insititute-(X-Ray) 1957, 1958, 1962, 1968  
Denver Seminar-1967,68, 69  
Detert, Klaus-Silicon Iron, 1955-65  
Dictionary of Physics 1957, 60, 63  
Dunn, C. G. (D-Primaries) 1949,1951-53, 57-58  
Du Pont, Wilmington 1956,1962  
Du Pont, Savannah River, 1962  
Duwez, Pol (alloy changes from paramagnetic to mictomagnetic) 1952-1976  
Correspondence-E-Ec, 1946-71  
    Ek-Ez, 1948-74  
Engineering Council, Indiana, 1949-54  
A.F. Equipment 1962  
Correspondence-Fa-Fi, 1951-72  
    Fin-Fo, 1948-82  
    Fr-Fz, 1951-83  
Federal Regulations from Department of Commerce 1965  
Focke, Arthur E. Aircraft Nuclear Propulsion Department, 1956-60  
Ford Motor Company, 1958-71  
Correspondence-Ga-Gi, 1962-1980  
    Go-Gre, 1937-83  
    Gro-Gz, 1956-75  
Geach, Professor G.A. 1953-66  
General Electric  
    Aircraft Nuclear Propulsion Department, 1959-80  
    Xray Department correspondence, 1953-63  
    Research Laboratory (Schenectady), 1947-74  
Georgia Institute of Technology, 1967-68  
Government (General Correspondence, Directives, etc) 1951-58  
Greenfield, P. (Xray, binary alloys) 1952-55

Box 3:

Guineier, A. (X-Ray), 1952-75  
Gupta, Professor K.P. 1955-77  
Correspondence-Ha-Hem, 1950-62  
    Hen-Hi, 1954-74  
    Ho-Hs, 1949-68  
    Hu-Hz, 1953-83  
Hansen, Max (Constitution of Binary Alloys), 1951-61  
Harwell, Didcot, Berks, England Atomic Energy Research Establishment, 1959-68  
Hu, William H., 1952-59, 1960-74 (2 folders)  
Hume-Rothery, W. Prof, 1962-65  
Hungarian Refugees-Hungarian Lesson 1957

Correspondence-I, 1956-1980  
Institute for the Study of Metals (Chicago) 1950-60  
IRSID-Institut de Recherches de la Siderurgie, 1953  
Correspondence- J, 1947-1972  
Jaccarino, V, 1963  
Japanese Political Society, 1962  
Journal of Metals, (regarding publications) 1964-65  
Journal of the Physics and Chemistry of Solids, 1969-70  
Correspondence-K-Ka, 1958-73  
    Ke-Ki, 1948-84  
    Ki-Ko, 1961-76  
    Kr-Kz, 1946-76  
Kanematsu, Kazuo (Magnetics) 1965-67  
Kaufman, Larry, (Alloys, Pauli-Paramagnetic) 1958-68  
Kelly, A. (Trinity College England), 1953-57  
Koh, P.K. (Rolling and Tape Textures), 1952-58  
Kurti, Nicholas (Fe-Sb alloy) 1959-65  
Correspondence-L-Le, 1948-77  
    Li-Lz, 1949-73  
Lacombe, Paul 1959-69  
Lambot, H., 1952-57  
Laves, Professor F., 1956-76  
Lomer, W.M. 1961-74  
Lucke, Kurt 1954-73

Box 4:

Correspondence-Ma-Mh, 1955-78  
    Mi-Mor, 1949-63  
    Mot-Mz, 1952-78  
Magnetism and Magnetic Materials, Conference-Minneapolis, Minnesota, 1977  
Manlabs, Inc., 1966-68  
Manly, William D. 1948-58, 1964-76  
Marshall, Walter, 1959-72  
Masing, Georg, 1952-55  
Massachusetts Institute of Technology, 1953-69  
Massalski, T.B., 1961-82  
Mathewson, C.H., 1949-53  
Mehl, Robert L. 1955-70  
Merlini, Alfonso, 1954-62  
Metallurgy Departments (Other than the University of Illinois), 1960-63  
Sanak, Mishra, 1973-77  
Molecu-Wire Corporation Invoices, 1968

Mott, N.F. 1955-71  
Muller, Jean, 1959-68  
Correspondence-Mc-Mac, 1944-73  
Correspondence-N-Ne, 1949-74  
    Ni-Nz, 1953-71  
Nagy, Elemer, 1964-75  
National Research Council, 1958-68  
National Science Foundation, 1986  
National Technical Information Service, No date.  
Nevitt, M.V. 1952-76  
New Materials Laboratory, 1960  
Nisbet, J.D. 1952  
North American Rockwell Corporation, 1961-71  
Notre Dame, 1947-1951  
Nowotny, Hans, 1957-71  
Correspondence-O, 1966-83  
Oak Ridge National Laboratory, 1961-81  
Oxford University Press and Marshall, 1970-74  
Orowan, Egon 1946-58  
Correspondence-P-Pa, 1956-85  
    Pe-Ph, 1956-82

Box 5:

The Physical Review-Editor correspondence between Paul Beck and Editors at Physical Review, 1981-87  
Correspondence-Pi-Pz, 1947-69  
Parthasarathi, M. N., 1960-75  
Pergamon Press-Correspondence, 1961-71  
Pessall, Neil-University of Birmingham, 1961-64  
Professor (when Professor Beck was had an appointment at Notre Dame), 1951  
Correspondence-Q, 1954, 58, 67  
    R-Rh, 1939-83  
    Ri-Rz, 1950-72  
Radiation Survey Reports, 1970-73  
Radio Corporation of America, 1961  
Raman, A. 1965-67  
Rathenau, G.W. 1952-58  
Read, T.A. 1950-70  
T.A. Read Lecture, 1969-70  
Recommendations for Students and other personnel, 1953-65  
Inquiries (Requests for Catalogs), 1952-65  
Review of Books, 1970-71

Reviews of Papers - Phys. Rev. & Phys. Rev. Letters, 1969-80  
Inquiries - Requests (equipment, catalogues, reprints, technical info), 1966-77  
Recommendations for students & other personnel, 1966-77  
Review of Papers - Miscellaneous (excluding AIME, Phys. Rev. & Phys. Rev. Lett.), 1962-89  
Reviews of Proposals - NSF, 1964-76  
Reviews of Proposals - Misc., 1961-76  
Rhiger, David R., 1973-76  
Rhines, F. N., 1946-1973  
Riemschneider, Edith, 1967  
Correspondence-S-Sc, 1946-75  
    Se-Sh, 1946-77  
    Si-Sp, 1948-73

Box 6:

Correspondence St-St, 1949-75  
Correspondence Su-Sz, 1959-76  
Sachs, D. George, 1946-55  
Saclay Laboratory, 1960-64  
Schmid, Erich, 1952-64  
Schroder, Prof. Klaus, 1958-74  
Shewmon, Paulus, 1952-76  
Shimomura, Professor Y., 1955-66  
Shull, C. G., 1952-82  
Shoemaker, David P., 1952-75  
Siemens America Incorporated, 1962-71  
Sigma Xi Club, 1948-63  
Sinha, Ashok K., 1965-72  
Smith, F.W.  
Smith, Cyril Stanley, 1952-61  
Smoluchowski, R., 1952, 71  
Stellite Division Union Carbide Corporation  
Stoddard, President George D., 1946-53  
Srinivasan, T. M., 1963, 65  
Straumanis, Prof. M. E., 1951-67  
Stuwe, Hein P., 1958-88  
Sylvania Symposium(Correspondence), 1949-51  
Correspondence-T, 1955-67  
Tokich, John, 1948-51  
Troiano, A. R., 1952-67  
Turnbull, David, 1951-57  
TMS  
Correspondence-U, 1946-74

UCLA Short Course Oct., 1966  
Union Carbide-Fellowship, Correspondence, 1952-66  
Union Carbide Corporation General Correspondence, 1955, 64, 65  
Union Carbide-Fellowship Fund, Mining and Metallurgy, 1952-53  
University of California, 1963-64  
U.S. Naval Research Laboratory, 1963, 72  
U.S. Steel Corporation Invoices and Contracts, 1959-68  
U.S. Steel Corporation A-L, 1958-65  
U.S. Steel Corporation M-Z, 1959-61

Box 7:

Correspondence-V, 1954-74  
Vacuum Globar Furnace  
Van Reuth, ED C., 1956-72  
Viswanathan, R., 1964-71  
Correspondence-Wa-We, 1963-74  
    Wei-Williams, 1948-71  
    Wil-Wy, 1954-68  
Wassermann, Dr. G., 1959-79  
R.M. Waterstrat, 1957-66  
Weiss, Richard J., 1955-76  
Wiley, John and Sons, 1947-53  
Correspondence-XYZ, 1954-79  
Yoshioka, Takao, 1963-70  
Personnel-Correspondence of New Applicants, 1969-71  
Personnel A-B (inactive-applications no longer under consideration)  
    C-F (inactive-applications no longer under consideration)  
    G-J (inactive-applications no longer under consideration)  
    K-L (inactive-applications no longer under consideration)  
    M-O (inactive-applications no longer under consideration)  
    P-R (inactive-applications no longer under consideration)  
    S (inactive-applications no longer under consideration)

Box 8:

444 Bushing Stock, 1945  
Aluminum Bearing Soldering, 1942-43  
Bearings General, Bearing Fatigue Tests, Bearing Corrosion, 1937, 45  
Bearings, American Society for Metals (ASM)  
    1945-46  
    1946 (2 folders)  
    1946-47

Beryllium-Copper Article, Journal of Applied Physics, 1949  
Beryllium-Copper Research, 1947  
Beryllium Corporation Research Reports and Studies, Memos, Plant Service and Inspection, and Customer Complaints, 1942  
Beryllium Corporation Research Reports and Studies, Reports Data 1-2, 1942  
Beryllium Corporation Research Reports and Studies, Reports Data 3, 1942  
Cleveland Graphite Bronze Co. Reports, 203,210,229-33,229,236,239  
Cleveland Graphite Bronze Co. Reports, 240-43, 247, 1944  
Cleveland Graphite Bronze Co. Reports, 248-49, 254, 1944-45  
Cleveland Graphite Bronze Co. Reports, 256-58, 260, 1945  
Clevite Bushing Stock, 1943-45  
Copper-Lead Correspondence, 1943-45  
Copper-Lead Phase Diagram  
D2 Babbitt, 1943-45  
Field Information Agency Final Report 1/21, Office of Military Government for Germany, "Aluminum Bearing Alloys and their Development by the Karl Schmidt Co. at Nekarsulm Germany," 1947  
Illinois Institute of Technology Met. Eng. 574, 1954  
Lead Bearing Alloys, 1939-41  
Lead Based Alloys, 1944-45  
W.R. Mogg and C.H. Junge Research, 1945  
Metallurgy 31, 1948-51  
Selenium Rectifier