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Manuscript Collection

Finding Aid

➤ Wilhelm J.H. Eitel Papers, 1890-1978 ◀  
UM 24

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**Completed by:** E. Heidi Yeager, November 29, 1990; addition by Andrew C. Newby, March 16, 1994; revised and updated by Tamara Jones, April 30, 2014

**Wilhelm J.H. Eitel**  
**Papers, 1890-1978**

**Biographical Sketch**

Wilhelm J.H. Eitel was born 6 May 1891 in Frankfurt am Main, Germany. He graduated from Woehler Realgymnasium, Frankfurt am Main in 1909. In 1912, he received his doctoral degree from the University of Tubingen and the University of Heidelberg, Germany (Dr. Phil.Nat.).

During World War I, Dr. Eitel was a flyer for the German armed forces. He has been credited as one of the first men to introduce aerial photography for combat intelligence.

Between 1926 and 1945, Dr. Eitel was the founder and director of the Kaiser Wilhelm Institute for Silicate Research, Berlin-Dahlem. After World War II, in 1945, the Russian government "offered" Dr. Eitel a position in the Soviet Union. He refused the offer, so he was forced to flee Germany. The United States secret service agents smuggled Dr. Eitel safely out of Germany as part of Project Paperclip. This was a post war organization of scientific consultants whose task was to bring German scientists to the United States.

Upon arrival in the United States, Dr. Eitel was employed as consultant and research scientist for the office of Naval Research for The Department of the Navy, located in Norris, Tennessee, from 1946. He remained with the Naval Department until 1952 when, upon request from The University of Toledo, he established and became director of The Institute for Silicate Research at The University of Toledo. The Institute was formed to do basic and graduate research in the fields of glass, refractories, ceramics, hydraulic binders and mineral synthesis. In 1956, Corning Glass Works, Inc. gave a major grant to the Institute. Eitel remained the director until his retirement in 1961. Professor Eitel remained deeply involved in his silicate research at the University. He became a consultant for major businesses in the Toledo Area, such as Owens-Illinois Company. In 1976, Dr. Eitel completed his eighth volume of his book Silicate Science.

Dr. Eitel's additional professional experience was extensive. He was research Fellow at the Physical Society and Mineralogical Institute of the University of Frankfurt am Main (1912-1919); Privatdozent at the University of Frankfurt am Main (1919-1920); A. Ord. Professor of the PhysicoChemical Mineralogy, University of Leipzig (1920-21); Ord. Professor of Mineralogy and Petrography at the University of Konigsberg, East Prussia (1921-1926); and Ord. Professor at Technische Hochschule, Berlin-Charlottenburg (1926-1945).

Dr. Eitel was a world renowned scientist, who was a past elected member to many scientific societies. Some of those societies included: the Academie des Sciences de Romanian, Romania; the American Ceramic Society (Fellow), the American Chemical Society, the American Mineralogical Society (Fellow); the Deutsche Mineralogische Gesellschaft, the Kaiser-Wilhelm Gesellschaft zur Forderung der Wissenschaften, the Konigsberger Gelehrte Gesellschaft, the Preussische Akademie der Wissenschaften-Berlin; the Faraday Society, England; Instituto Lombardo di Scienze e Lettere, Italy; Phi Kappa Phi; the Society of Glass Technology (Fellow), England; and the Sub-Committee for Special Cements, International Commission for Large Dams (1935-1939), Paris. He was also an associate member of various engineering and research organizations.

During his sixty-year academic career, Dr. Eitel was awarded many honors. In 1962, he was awarded an honorary doctorate degree of Natural Science from the Ruprecht-Karl Universitat, Heidelberg. In 1966, he was honored for his outstanding work in silicate

**Wilhelm J.H. Eitel**  
**Papers, 1890-1978**

research by the Free University of Berlin. In 1970, he received an honorary law degree from the University of Toledo. In 1978, he was awarded the George Agricola Medaille by the Deutsche Mineralogische Gesellschaft. The American Chemical Society, Toledo Section, recognized him for his outstanding service in chemical abstracting.

Dr. Eitel was invited to be a guest lecturer at the University of Bologna, Italy and at Aachen University, Germany. He also published countless articles and books in several different languages, being proficient in twelve. He was also an accomplished pianist, finding four hours a day to practice the classical repertoire.

Dr. Eitel married Annemarie Engelien on 28 February 1924 in Koningsberg, Prussia. She died on 6 April 1945. On 27 November 1946, Eitel married Annemarie's sister, Antonia. Dr. Eitel had five children: Dr. Luise Fanny Peake, Franz-Albrecht, Johann-Michael, Mrs. Eleonore Hansen, and Dr. Dorthea Hover. Antonia Eitel died in 1978. Dr. Wilhelm J.H. Eitel died soon afterward, on 20 July 1979, at the age of 88.

**Wilhelm J.H. Eitel**  
**Papers, 1890-1978**

**Scope and Content Note**

This collection contains correspondence, glass-plate negatives, manuscript drafts of the eight-volume *Silicate Science*, patents, abstracts, and miscellaneous items relating to Dr. Wilhelm J.H. Eitel, founder and director of the Institute for Silicate Research – later renamed the Eitel Institute for Silicate Research – from 1952-1961. The collection is arranged in seven series as follows: Series I. Publishing Company Correspondence; Series II. Professional Associations; Series III. University of Toledo; Series IV. Government Agencies; Series V. Personal and Professional Correspondence; Series VI. Research Activities; and Series VII. Miscellaneous. The personal and professional correspondence is arranged first chronologically and then alphabetically. All other series are arranged alphabetically.

The correspondence consists largely of personal letters to colleagues throughout the world, although official business is included. Of particular note in the collection is the patent debate Dr. Eitel was involved in with the Perlite Company between 1955 and 1959 over the use of the term "perlite" in his *Silicate Science* book (Box 2, Folder 24). Also of note is the correspondence pertaining to the Highway Research Board, and Eitel as director from 1955-1972 (Box 4, Folders 11-19); the Esso Research Labs correspondence for which Eitel was a consultant from 1954 to 1974 (Box 8, Folders 1-9); U.S. Department of the Interior-Geological Surveys from 1971-1975 (Box 12, Folders 22-26); miscellaneous German Geological survey maps (Box 13, Folders 1-5); master manuscript copies of Silicate Science (Box 18, Folders 19-20); reports on the "Owens-Illinois Spectraglass Production Method" by Eitel (Box 21, Folder 5); printing blocks stamped with diagrams used for Silicate Science (Box 24); and glass-plate negatives for Eitel's various works (Box 27, A,B,C).

**Wilhelm J.H. Eitel**  
**Papers, 1890-1978**

**Folder List**

<b>Series I. Publishing Company Correspondence</b>	<b>Box</b>	<b>Folder</b>
Misc. publishing companies	1	1
Foreign publishing correspondence	1	2
Misc. German publishing correspondence	1	3
Academic press correspondence, 1960-1963	1	4
Academic press correspondence, 1964-1972	1	5
Academic press correspondence, 1973-1976	1	6
Bauverlag correspondence	1	7
Chemical abstracts, 1948-1951	1	8
Chemical abstracts, 1952-1959	1	9
Chemical abstracts, 1960-1964	1	10
Chemical abstracts, 1965-1975	1	11
Chemical and Engineering News	1	12
Chicago University Press, 1948-1952	1	13
Chicago University Press, 1953	1	14
Chicago University Press, 1954-1969	1	15
Ceramic Industry Correspondence, 1954-1955	1	16
Johann Ambrosius Barth, 1942-1967	1	17
Lange and Springer (German Publ. Co.), 1946-1977	1	18
Ogden Publishing Company, 1954-1958	1	19
Plenum Publishing Company, 1967-1972	1	20
Rutgers University Press, 1950-1973	1	21
Springer Verlag (German Publ. Co.), 1945-1966	1	22
Verlag Schweizerbart (Germ. Publ. Co.), 1965-1968	1	23
<b>Series II. Professional Associations</b>		
(Misc.)Associations Correspondence	2	1
(Misc.)Foreign Associations Correspondence	2	2
(Misc.)German Assoc. and Societies Corresp.	2	3
American Assoc. of University Prof., 1951-1975	2	4
American Ceramic Society, 1948-1953	2	5
American Ceramic Society, 1954-1965	2	6
American Ceramic Society, 1966-1974	2	7
American Chemical Society, 1948-1964	2	8
American Concrete Institute, 1955-1957	2	9
Ceramic Educational Council, 1955-1967	2	10
Crystallographic Society of America, 1947-1951	2	11
Deutsche Forschungsgemeinshaft, 1964-1966	2	12
Deutsche Keramische Gesellschaft, 1950-1973	2	13
Deutsche Mineralogische Gesellschaft, 1953-1975	2	14

**Wilhelm J.H. Eitel**  
**Papers, 1890-1978**

Geological Society of America, 1956-1974	2	15
Gordon Research Conference: American Assoc. for Advancement of Sciences, 1953-1954	2	16
International Commission on Glass, 1953-1963	2	17
Lead Industries Association, 1957-1960	2	18
Max Planck Gesellschaft, 1955-1975	2	19
Mineralogical Society of America, 1949-1963	2	20
Mineralogical Society of America, 1964-1975	2	21
National Instit. of Ceramic Engin., 1955-1960	2	22
National Instit. of Ceramic Engin., 1961-1963	2	23
Perlite Institute Correspondence, 1955-1959	2	24
Portland Cement Association, 1953-1958	2	25
Portland Cement Association, 1960-1969	2	26
Rice Growers Assoc. of California, 1968-1969	2	27
Scientific Society Silicate Indust., 1962-1969	2	28
Toledo Museum of Art, 1953-1971	2	29
Torch Club, 1953-1974	2	30
British Ceramic Society, 1953-1975	2	31
Society of Glass Technology, 1953-1975	2	32
Deutsche Glastechnische Gesellschaft, 1952-1976	2	33

**Series III. University of Toledo**

U.T. contracts with Eitel and related items	3	1
(Misc.) U.T. Campus Correspondence	3	2
Walter V. Burg	3	3
William S. Carlson	3	4
Glenn Driscoll	3	5
Wolfgang Haller	3	6
Asa Knowles	3	7
W.A. Lambertson	3	8
Jesse R. Long	3	9
Robert E. Martin	3	10
Sam Silverman	3	11
Archie Solberg	3	12
Applicants for positions at Silicate Institut.	3	13
Chemical Engineering class description	3	14
Financial records of Silicate Institut. research	3	15
National referral network at U.T.	3	16
Silicate Institute at U.T.--assorted materials	3	17
Silicate Institute at U.T.--assorted materials	31	1
Student application and inquiries to U.T.	3	18
Fellow applicants and information, U.T.	3	19
Prospective fellow applicants at U.T.	3	20

**Wilhelm J.H. Eitel**  
**Papers, 1890-1978**

(Misc.)fellowship applicants	3	21
Robert Adams--fellow applicant	3	22
Kathryn Balmer--fellow applicant	3	23
Glenn L. Calcumaggio--fellow applicant	3	24
Heyman Duecker--fellow applicant	3	25
Takashi Fujii--fellow applicant	3	26
Carl Guyon--fellow applicant	3	27
Robert C. Larson--fellow applicant	3	28
Robert E. Moore--fellow applicant	3	29
Richard S. Swain--fellow applicant	3	30
Gilbert Santoro--fellow applicant	3	31
Student applicants--rejected/cancelled (folder 1)	3	32
Student applicants--rejected/cancelled (folder 2)	3	33
Student applicants--rejected/cancelled (folder 3)	3	34
Graduate School colloquies	3	35

**Series IV. Government Agencies**

(Misc.)Foreign government correspondence	4	1
Canadian government branches	4	2
Council of Scientific Industrial Research-India	4	3
U.S. Bureau of Mines--Depart. of Interior, 1947-1953	4	4
U.S. Bureau of Mines--Depart. of Interior, 1954-1974	4	5
Councils Comm. on Internat. Exchange of Persons, 1948-1961	4	6
U.S. Department of Army, 1948-1968	4	7
Department of Interior, 1964-1966	4	8
Geological Survey--Depart. of Interior, 1948-1973	4	9
Depart. of Mines and Resources (Canada), 1946-1952	4	10
Highway Research Board, 1955-1959	4	11
Highway Research Board, 1960-1961	4	12
Highway Research Board, 1962-1963	4	13
Highway Research Board, 1964-1965	4	14
Highway Research Board, 1966-1968	4	15
Highway Research Board, 1969 (folder 1)	4	16
Highway Research Board, 1969 (folder 2)	4	17
Highway Research Board, 1970	4	18
Highway Research Board, 1971-1972	4	19
Library of Congress, 1954-1975	4	20
U.S. Naval Department, 1947-1949	4	21
U.S. Naval Department, 1950-1973	4	22
National Bureau of Standards, 1947-1959	4	23
National Bureau of Standards, 1960-1969	4	24
National Advisory Comm. for Aeronautics, 1955	4	25
National Inventors Council, 1955-1961	4	26

**Wilhelm J.H. Eitel**  
**Papers, 1890-1978**

National Science Foundation, 1951-1959	4	27
National Science Foundation, 1960-1968	4	28
National Science Foundation, 1969	4	29
National Science Foundation, 1970-1971	4	30
Wright Patterson Air Development, 1952-1965	4	31
(Misc.) U.S. Government Divisions	4	32
(Misc.) Perlite Co. Debate--correspondence	4	33
(Misc.) Correspondence	4	34

**Series V. Personal and Professional Correspondence**

Family Corres. and Financial Records	5	1
A-C (Misc.) Corres., 1910-1925	5	2
D-F (Misc.) Corres., 1910-1925	5	3
G-L (Misc.) Corres., 1910-1925	5	4
M-R (Misc.) Corres., 1910-1925	5	5
S-Z (Misc.) Corres., 1910-1925	5	6
Abergest Personal Corres., 1921-1922	5	7
H.E. Bocke, 1910-1919	5	8
Dr. A. Johnson, 1915-1930	5	9
Max Dittrich, 1911-1921	5	10
F. Haber, 1928-1931	5	11
Dr. Theodor Liebisch, 1918-1921	5	12
Richard Lorenz, 1914-1928	5	13
Otto Mugge, 1917-1932	5	14
Friedrich Rinne, 1918-1933	5	15
Dr. Arthur Schoenflies, 1918-1924	5	16
Ernst Anto Wulfing, 1913-1922	5	17
Franz Angel, 1938-1945	5	18
Dr. Friedrich, 1938-1944	5	19
Georg Jaeckel, 1933	5	20
Herr Reuter, 1938	5	21
Dr. Van Thiel, 1938-1943	5	22
1930's (Misc.) Corres.	5	23
A-B (Misc.) Corres., 1940s	5	24
Bernard Bavink, 1936-1946	5	25
Dr. E. Beischer, 1946-1952	5	26
C-D (Misc.) Corres., 1940s	5	27
F. Czermack	5	28
W. Dawihl, 1945-1953	5	29
Adolph Dietzel, 1940-1978	5	30
E-G (Misc.) Corres., 1940s	5	31
E. Clar, 1944-1945	5	32
W. Gentsch, 1942-1947	5	33

**Wilhelm J.H. Eitel**  
**Papers, 1890-1978**

H (Misc.) Corres., 1940s	5	34
Haarman Corres., 1944-1945	5	35
I-J (Misc.) Corres., 1940s	5	36
Jost Corres., 1944	5	37
K (Misc.) Corres., 1940s	5	38
Horst Kedesday, 1945-1975	5	39
W. Klemm, 1946	5	40
Nina Koppen, 1944-1976	5	41
Egon Krajicek, 1942-1943	5	42
L (Misc.) Corres., 1940s	5	43
M-N (Misc.) Corres., 1940s	5	44
F. Matossi, 1947-1957	5	45
H. Menzel, 1944-1946	5	46
O-P (Misc.) Corres., 1940s	5	47
N.N. Padurow, 1947-1954	5	48
R (Misc.) Corres., 1940s	5	49
Otto Van Radczewski, 1944-1946	5	50
S (Misc.) Corres., 1940s	5	51
Schinke, Corres., 1944	5	52
H.E. Schweite, Corres., 1946-1970	5	53
Dr. Robert E. Sosman, 1948-1961	5	54
Wm. Steger, 1944-1951	5	55
Carl Schusterious, 1947-1961	5	56
T-Z (Misc.) Corres., 1940s	5	57
G. Troemel, 1947-1969	5	58
1940s (Misc.) Corporate Corres.	5	59
Bell Telephone Laboratories, 1949-1959	5	60
Lone Star Cement Company, 1947	5	61
Owens-Corning Fiberglass Co., 1947-1949	5	62
Owens-Corning Fiberglass Co., 1950-1966	5	63
A-B (Misc.) Corres., 1950s	6	1
George Ahrens, 1952-1953	6	2
W.H. Van Almsick, 1955-1962	6	3
Rudolph Bechmann, 1954-1965	6	4
Gustav Brethauer, 1957-1959	6	5
C-F (Misc.) Corres., 1950s	6	6
Wm. M. Conn, 1950-1969	6	7
J. D'Ans, 1955-1962	6	8
Thomas Elmer, 1955-1962	6	9
H-G (Misc.) Cortes., 1950s	6	10
Paolo Gattelli, 1952-1970	6	11
Wilhelm Hinz, 1959-1973	6	12
R.A. Humphrey, 1955-1961	6	13

**Wilhelm J.H. Eitel**  
**Papers, 1890-1978**

I-L (Misc.) Corres., 1950s	6	14
G.L. Kalouser, 1951-1973	6	15
L. Koeberer, 1957-1961	6	16
Kamillo Konopicky, 1950-1969	6	17
Gunther Kunze, 1955-1963	6	18
Fritz Laues, 1952-1961	6	19
Gunther Lochmann, 1950s Corres.	6	20
M (Misc.) Corres., 1950s	6	21
Bealeieu- Marconnay, 1950-1954	6	22
Bealeieu- Marconnay, 1955	6	23
Bealeieu- Marconnay, 1956-1960	6	24
N-R (Misc.) Corres., 1950s	6	25
Shoichiro Nagai, 1952-1965	6	26
H.U. Philipsborn, 1956-1958	6	27
Harold Richter, 1955-1975	6	28
Eugene Ryshkewitch, 1951-1968	6	29
S (Misc.) Corres., 1950s	6	30
H. Salmang, 1951-1961	6	31
Ikutaro Sawai, 1952-1957	6	32
H. Seifert, 1951-1974	6	33
Kurt Spanenburg, 1954-1956	6	34
Toshiro Sudo, 1951-1961	6	35
M. Spindel, 1957	6	36
T-Z (Misc.) Corres., 1950s	6	37
Felix Trojer, 1952-1967	6	38
Friedriche Truck, 1951-1963	6	39
Hans Trurnit, 1956-1962	6	40
Leonidas Tscheivelli, 1946-1975	6	41
Jack H. Waggone, 1950-1968	6	42
Helmut Winkler, 1957-1968	6	43
Arthur Zwetsch, 1951-1966	6	44
Arvo Ylppo, 1952-1962	6	45
(Misc.) Consultant Corres.	6	46
A-C (Misc.) Corres., 1960s	6	47
Ralph E. Baskerville, 1959-1961	6	48
Ramses Bishai, 1967-1976	6	49
Peter Budinkov, 1960-1967	6	50
C-E (Misc.) Corres., 1960s	6	51
Joseph Deutz, 1961-1963	6	52
Tono Eitel, 1968-1970	6	53
F-H (Misc.) Corres., 1960s	6	54
Albrecht Frank, 1959-1960	6	55
Dibyendu Ganguli, 1967-1971	6	56

**Wilhelm J.H. Eitel**  
**Papers, 1890-1978**

C.G. Gorski, 1968-1969	6	57
Vittorio Gottardi, 1962-1971	6	58
Billy Graham, 1963-1964	6	59
I-L (Misc.) Corres., 1960s	6	60
Alfred Knauf, 1966-1971	6	61
Robert Lauey, 1968-1973	6	62
M-O (Misc.) Corres., 1960s	7	1
Sanmoy Mitra, 1968-1971	7	2
Dr. H. Moehl, 1951-1976	7	3
Horst Moenke, 1961-1971	7	4
J.C. Mukherjee, 1965-1973	7	5
Dr. Frida Oberlies, 1961-1968	7	6
P-R (Misc.) Corres., 1960s	7	7
Otar P. Mchedlov-Petrosyan, 1960-1978	7	8
S (Misc.) Corres., 1960s	7	9
Werner Shreyer, 1964-1970	7	10
T-Z (Misc.) Corres., 1960s	7	11
Kurt Walz, 1966-1970	7	12
Berthold Weber, 1958-1963	7	13
Eugene Weber, 1962-1968	7	14
A-F (Misc.) Corporate Corres., 1960s	7	15
G-P (Misc.) Corporate Corres., 1960s	7	16
Haselden Company, 1967	7	17
Marley Company, 1968-1969	7	18
Owens-Illinois Technical Center, 1962-1966	7	19
Q-Z (Misc.) Corporate Corres., 1960s	7	20
Stat. Volt Company, 1967	7	21
Time Inc.-Springdale Laboratories, 1967	7	22
A-G (Misc.) Corres., 1970s	7	23
Jon Erlendson, 1975	7	24
H-K (Misc.) Corres., 1970s	7	25
L-R (Misc.) Corres., 1970s	7	26
S (Misc.) Corres., 1970s	7	27
T-Z (Misc.) Corres., 1970s	7	28
A-Z (Misc.) Corporate Corres., 1970s	7	29
A-B (Misc.) Corporate Corres., 1950s	7	30
Aluminum Company of America, 1953-1974	7	31
Asahi Glass Company, Ltd., 1953-1963	7	32
Austria-American Magnesit, 1954-1960	7	33
C (Misc.) Corporate Corres., 1950's	7	34
Charles Taylor and Sons, Co., 1956-1958	7	35
Charles Taylor and Sons, Co., 1959-1966	7	36
Corning Glass Works, 1951-1962	7	37

**Wilhelm J.H. Eitel**  
**Papers, 1890-1978**

D-E (Misc.) Corporate Corres., 1950s	7	38
Deutsche Gold und Silber-Schedeanstalt	7	39
Dupont, 1953-1966	7	40
Esso Research Labs., 1954-1958	8	1
Esso Research Labs., 1959	8	2
Esso Research Labs., 1960-1961	8	3
Esso Research Labs., 1962	8	4
Esso Research Labs., 1963-1965	8	5
Esso Research Labs., 1966-1968	8	6
Esso Research Labs., 1969	8	7
Esso Research Labs., 1970-1971	8	8
Esso Research Labs., 1972-1974	8	9
F-H (Misc.) Corporate Corres., 1950s	8	10
Foote Mineral Company, 1953-1958	8	11
Ford Motor Company, 1953-1965	8	12
General Electric, 1952-1967	8	13
Hsinchu Window Glass Works Inc., 1952-1953	8	14
Humble Oil Company, 1957-1964	8	15
I-K (Misc.) Corporate Corres., 1950s	8	16
Imperial Glass Company, 1955	8	17
International Chemical Co., 1956-1957	8	18
L-M (Misc.) Corporate Corres., 1950s	8	19
Libbey-Owens-Ford Glass Co., 1951-1954	8	20
Libbey-Owens-Ford Glass Co., 1955-1969	8	21
Lithium Corporation., 1956-1958	8	22
Mycalex Corporation., 1953-1955	8	23
Mycalex Corporation., 1956	8	24
Mycalex Corporation., 1957-1959	8	25
Mycalex Corporation., 1960-1968	8	26
N-P (Misc.) Corporate Corres., 1950s	8	27
Ohio Brass Company, 1953-1963	8	28
Owens-Illinois, 1950-1975	8	29
Pittsburg Plate Glass Co., 1953-1959	9	1
R-Z (Misc.) Corporate Corres., 1950s	9	2
Thin Section Laboratory, 1955-1958	9	3
Union Carbide, 1954-1961	9	4
U.S. Gypsum Co., 1954-1959	9	5
U.S. Steel Corporation, 1954-1970	9	6
(Misc.) University Corres., 1940s	9	7
Columbia University, 1947-1967	9	8
Illinois Institute of Technology, 1949-1961	9	9
M.I.T., 1949-1964	9	10
Penn. State University, 1949-1959	9	11

**Wilhelm J.H. Eitel**  
**Papers, 1890-1978**

Polytechnical Institute of Brooklyn, 1948-1966	9	12
Rutgers University, 1948-1966	9	13
University of California-Berkeley, 1949-1966	9	14
University of Chicago, 1947-1976	9	15
University of Michigan, 1949-1966	9	16
(Misc.) University Corres., 1950-1963	9	17
Other Foreign University Corres., 1958	9	18
Brazil/ South America University, Corres., 1958	9	19
(Misc.) Canadian University Corres., 1953-1969	9	20
(Misc.) French Univeristy Corres., 1957-1962	9	21
(Misc.) German University Corres., 1951-1969	9	22
(Misc.) Japanese University Corres., 1952-1965	9	23
(Misc.) Spanish University Corres., 1954-1969	9	24
Sweden/Norway/Scandanavian Corres., 1950-1959	9	25
(Misc.) United Kingdom University Corres., 1953, 1956	9	26
Carnegie Institute of Washington, 1947-1975	9	27
Chalmers Technical University of Sweden, 1948-1975	9	28
College of Ceramics at Alfred University, 1953-1973	9	29
Forschungsinstiut der Zementindustrie, 1951-	9	30
Harvard University Corres., 1952-1973	9	31
Heidelberg University Corres., 1952-1976	9	32
Institut fur Anorganische Chemie, 1959-1968	9	33
Institut fur Gesteinshuttenkunde, 1953-1976	9	34
Institut fur Steine und Erden, 1957-1966	9	35
Johns Hopkins University, 1952-1971	9	36
Max-Planck-Institut, 1953-1978	9	37
Max-Planck-Institut, 1953, 1962	9	38
Max-Planck-Institut, 1950-1971	9	39
Mellon Institute, 1953-1960	9	40
Michigan State University, 1956, 1959	9	41
Nagoya University, 1950-1963	9	42
North Carolina State College, 1950-1959	9	43
Ohio State University, 1952-1975	9	44
Penn State University, 1954-1978	9	45
Politechnico di Torino, 1952-1967	9	46
Rhenish-Westfalische Technische, 1950-1972	9	47
Royal Institute of Techn., Sweden, 1954-1975	9	48
Swedish Museum of Natural History, 1952-1970	9	49
Tokyo Institute of Technology, 1954-1965	9	50
University of Aberdeen, Scotland, 1952-1968	9	51
University of Arizona, 1958	9	52
University of Calcutta, 1958-1972	9	53
University of California, 1951-1975	9	54

**Wilhelm J.H. Eitel**  
**Papers, 1890-1978**

University of Frankfort, 1955-1962	9	55
University of Gottingen, 1950-1971	9	56
University of Illinois, 1951-1971	9	57
University of Missouri, 1953-1958	9	58
University of Missouri-Rolla, 1957-1971	9	59
University of Pittsburgh, 1952-1963	9	60
Biography of Wilhelm Eitel	10	1
(2) German Newspaper Articles on Eitel	10	2
(Misc.) American University Corres., 1959-1969	10	3
Asian University Corres., 1953-1969	10	4
Eastern European University, 1961-1970	10	5
German University Corres., 1960-1975	10	6
India University Corres., 1961-1971	10	7
Russian University Corres., 1957-1975	10	8
(Misc.) Foreign University Corres., 1952-1969	10	9
(Misc.) University Corres., 1968-1976	10	10
(Misc.) German Uni. Corres./Photos, 1936-1937	10	11
Centre D'Etudes et de Recharges, 1960-1968	10	12
Instituto Lombardo Corres., 1960-1976	10	13
Instituto di Mineralogia, 1960-1969	10	14
Institut fur Physikalische Chemie, 1968-1970	10	15
Kaliforschungs Institut Corres., 1924-1975	10	16
Karl-Marx Universitat Corres., 1962-1969	10	17
Max-Planck Institute Corres., 1958-1966	10	18
Technische Hochschule Wien Corres., 1961-1963	10	19
Technische Universitat Berlin, 1960-1968	10	20
Tubingen University Corres., 1957-1974	10	21
Chemisches Institut der Univ. Bonn, 1956-1977	10	22
University of Minnesota Corres., 1961	10	23
University of Mississippi Corres., 1969-1971	10	24

**Series VI. Research Materials**

Author and Subject Indices, SILICATE SCIENCE (VIII)	31	4
Author's Copy, SILICATE SCIENCE (VII A) - Preface and Table of Contents	31	5
Materials/Notebooks: SILICATE SCIENCE, 1972-1974	10	25
Book Reviews: SILICATE SCIENCE, 1947-1977	10	26
(Misc.) Research Materials (folder 1)	10	27
(Misc.) Research Materials (folder 2)	10	28
(Misc.) Research Materials (folder 3)	10	29
(Misc.) Research Materials (folder 4)	10	30
(Misc.) Research Materials (folder 5)	10	31
(Misc.) Research Materials (folder 6)	10	32
(Misc.) Research Materials (folder 7)	10	33

**Wilhelm J.H. Eitel**  
**Papers, 1890-1978**

(Misc.) Research Materials (folder 8)	10	34
Silicate Photographs	10	35
Bound Treatise: Kaiser-Wilhelm Institute	10	36
Patented Items, 1883-1967	10	37
(2) Awards, 1978	10	38
Booklet: Empfehlun zur Neurordnung, 1966	10	39
Notes/Negatives: Lithium Pegmatites of C. Asia	10	40
Monthly Summary Reports, 1941-1950	10	41
Religious Article by A.O.Leverenz, 1978	10	42
Biographical Sketch, Eitel and Family, 1953-1954	11	1
Correspondence concerning Dorothea Eitel, 1952	11	2
Research Materials: PHYSICAL CHEM. OF SILICATES	11	3
(Misc.) Silicate Formulas and Diagrams (folder 1)	11	4
(Misc.) Silicate Formulas and Diagrams (folder 2)	11	5
(Misc.) Silicate Formulas and Diagrams (folder 3)	11	6
(Misc.) Silicate Formulas and Diagrams (folder 4)	11	7
National Cooperative Highway Research Program	11	8
International Union of Pure and Applied Chem.	11	9
(Misc.) Dittos and Formulas	11	10
(Misc.) Research Papers/Patents/Notecards	11	11
(Misc.) Research Formulas	11	12
PROPERTIES OF GLASS/(Misc.) Research Materials	11	13
(Misc.) Research Materials and Formulas	11	14
(Misc.) Research Materials and Dittos	11	15
Siemens and Halske Aktengesellschaft	11	16
(Misc.) Research Materials	11	17
Kritische Erscheinungen Phenomenes Critiques	11	18
(Misc.) Research Formulas (folder 1)	11	19
(Misc.) Research Formulas (folder 2)	11	20
National Research Council Materials	11	21
Esso Research Laboratories/Patents/Formulas	11	22
(Misc.) Silicate Research Notes	11	23
Perlite Institute Gypsum Plaster Program	11	24
(Misc.) Glass Composition/Research Formulas	11	25
U.T. Institute Research Series Bulletins	11	26
National Cooperative Highway Research Program	11	27
Department of Justice and Immigration/Photos	11	28
(2) Brochures of The Eitel Inst. for Silicate Sc.	11	29
Research Abstract, 1944-1945	11	30
(Misc.) Research Abstracts	11	31
Intern. Symp. of Reactivity of Solids, 1952	11	32
Personal Notebook, Eitel, ca.1908-1918	11	33
Personal Notebook, Eitel, ca. 1966	11	34

**Wilhelm J.H. Eitel**  
**Papers, 1890-1978**

Abstract: VAPOR PRESSURE CURE OF LIQUID POTASSIUM	11	35
Abstract: PERLITE, N.D.	11	36
A PRELIMINARY BIBLIOGRAPHY ON GLASS REINFORCE.	11	37
Technische Stelle of Holderbank, 1965-1966	11	38
(2) Tenth Annual Concert of Harvard University, 1920	11	39
Activities of Inst. of Silicate Res., 1952-1956	12	1
Numerical Data for Calcul.-Heat Input (2)	12	2
Abstract: FORMULATION FOR ABRASION-CHEMICAL CORR.	12	3
DEUTSCHE WASSER-WIRTSCHAFT, 1942	12	4
ELEKTRONEN-MIKROSKOPIE und BEUGUNG SILIKATISCHER	12	5
DIE DISPERSOIDE der MINERALWELT-SCHLACKEN	12	6
(Misc.) Research Notes (folder 1)	12	7
(Misc.) Research Notes (folder 2)	12	8
(Misc.) Research Notes (folder 3)	12	9
(Misc.) Research Notes (folder 4)	12	10
(Misc.) Research Notes (folder 5)	12	11
Diagrams for Eitel's Book/(2) Requisition Bureau of Mines	12	12
Treatises by Eitel/(Misc.) Authors	12	13
Kaiser-Wilhelm-Institut fur Silikat., 1944	12	14
Siliciumkarid als Schwing-Dterktorkristall, 1945	12	15
Synthetic Mica Investigations Series, 1-5, 1953	12	16
Patent Specifications, 1921-1943	12	17
SEPARATION OF MOLECULES/Other Treatises	12	18
(Misc.) Patents and Notes	12	19
Chemical Abstracts	12	20
VERARBEITBARKEIT VON ZEMENT, 1945	12	21
U.S. Department of Interior-Geol. Surveys, 1971	12	22
U.S. Department of Interior-Geol. Surveys, 1972	12	23
U.S. Department of Interior-Geol. Surveys, 1973	12	24
U.S. Department of Interior-Geol. Surveys, 1974	12	25
U.S. Department of Interior-Geol. Surveys, 1975	12	26
Commission on New Minerals/Mineral Names, 1976	12	27
(Misc.) Formulas and Graphs (folder 1)	12	28
(Misc.) Formulas and Graphs (folder 2)	12	29
(Misc.) Formulas and Graphs (folder 3)	12	30
(2) SILICATE SCIENCE-SIGNIFICANCE TO RESEARCH	12	31
Office of Military Government for Germany	12	32
Esso Research and Engineering Company, Memos	12	33
The Chemical Abstracts Service, 1964	12	34
(Misc.) U.S. Patent Office	12	35
(Misc.) U.S. Patent office and Typed Notecards	12	36
(Misc.) German Geological Survey Maps (folder 1)	13	1
(Misc.) German Geological Survey Maps (folder 2)	13	2

## **Wilhelm J.H. Eitel**

### **Papers, 1890-1978**

(Misc.) German Geological Survey Maps (folder 3)	13	3
(Misc.) German Geological Survey Maps (folder 4)	13	4
(Misc.) German Geological Survey Maps (folder 5)	13	5
German Maps: Blatt Zwingenberg 1925	OS	136
German Maps: Kelstrebach 1930	OS	136
German Maps: Reichsautobahnen June 1934	OS	136
German Maps: Reichsautobahnen Feb 1936	OS	136
German Maps: Reichsautobahnen Dec 1936	OS	136
German Maps: ?Reichsautobahnen ???	OS	136
German Maps: Blatt Marfelden 1925	OS	136
(3) Hand-Colored Prints, Heise, Neumann, Grunert	13	6
(3) Photos of Dr. Eitel and Faculty, 1954	13	7
(14) (Misc.) Geological Equipment Photos	13	8
(Misc.) Geological/Chemical-Seismographical	13	9
Page of Molecular Structure Photos, E.F. Dietzel	13	10
Vorlagen-Diagrams/Graphs and Scholarly Notes	13	11
(Misc.) Figure Diagrams-Mock-Ups (folder 1)	13	12
(Misc.) Figure Diagrams-Mock-Ups (folder 2)	13	13
(Misc.) Figure Diagrams-Mock-Ups (folder 3)	13	14
Mimeograph with Diagram/Envelope	13	15
Diagrams for Eitel's Book?-Display Pages	13	16
Crystallochemical/Microscopical Investigations	13	17
SCHLUBBWEICHT über die UNTERSUCHUNG BRAUNKOHL.	13	18
(Misc.) Diagrams	13	19
(Misc.) Diagrams, 1954-1955	31	2
(Misc.) Diagrams, 1956, n.d.	31	3
(Misc.) Diagrams, n.d.	32	--
(10) Diagrams-Kaiser-Wilhelm-Institute, 1942	13	20
(2) Treatises: Elektronenmikroskopische/Vanadium	13	21
(Misc.) Handwritten Formulas, 1953-1957	13	22
Sodium-Lithium Hectorite Photos	13	23
(Misc.) Crystalline Photos (4)	13	24
(3) (Misc.) Notes and Formulas	13	25
Treatise: PHASENGLEICHGEWICHTSUNTERSUNGEN	13	26
Treatise: U.S. Bureau of Mines, Tennessee	13	27
Treatise: EINFLUSS DER KRITISCHEN KONSTANTEN	13	28
(Misc.) Mechanical Diagrams	13	29
(Misc.) Crystallization Photos/Diagrams, ca.1960	13	30
Treatise: ZEIDMUNGEN FIM VORTAG, by Baller, 1937	13	31
(Misc.) Crystallization Photos	13	32
(Misc.) Mechanical Diagrams, by Eitel, Schwiete	13	33
Reichsautobahn, Frankfurt A.M.-Darmstadt, Photos	13	34
(Misc.) Diagrams, from Leipzig, 1937	13	35

**Wilhelm J.H. Eitel**  
**Papers, 1890-1978**

Treatise: GENERAL PRINCIPLES OF CLAY MINERALS	14	1
(Misc.) U.S. Patent Office, 1898-1956	14	2
ADDENDA VII B	14	3
(Misc.) Notes and Reports (folder 1)	14	4
(Misc.) Notes and Reports (folder 2)	14	5
(Misc.) Formulas and Notations	14	6
SYNTHETIC MICA INVESTIGATIONS VI	14	7
(Misc.) Reports: Synthetic Mica	14	8
(Misc.) Mica Papers/Photos of Mica Compositions	14	9
(Misc.) German Abstracts and Photos	14	10
(Misc.) Formulas and Abstracts	14	11
(Misc.) Mica Treatises and Notes	14	12
Technical Report: SYNTHETIC MICA	14	13
(Misc.) Microfilm Copies of Synthetic Mica (folder 1)	14	14
(Misc.) Microfilm Copies of Synthetic Mica (folder 2)	14	15
(Misc.) Microfilm Copies of Synthetic Mica (folder 3)	14	16
Technical Report: SYNTHETIC MICA	14	17
Fiberglass Corporation	14	18
(Misc.) German Abstracts (folder 1)	14	19
(Misc.) German Abstracts (folder 2)	14	20
Treatise: LAYERED COMPLEX METAL SILICATE COMP.	14	21
U.S. Patents and Research Materials (folder 1)	14	22
U.S. Patents and Research Materials (folder 2)	14	23
Research Materials: SILICATE SCIENCE	14	24
Bound Notebook: CHEMISCHE AUS-ARBEITUNGEN	15	1
BUCHVEROFFENTLICHUNGEN/E INZ ELVEROFFENTLI CHUNGEN	15	2
(Misc.) Belgium Patents (copies) (folder 1)	15	3
(Misc.) Belgium Patents (copies) (folder 2)	15	4
(Misc.) U.S. Patents (copies)	15	5
Farbenfarbriken Bayer AG, Correspondence	15	6
(Misc.) German Patents	15	7
(Misc.) Notes Concerning CRYSTALLINE SOLUTIONS	15	8
Authors Copy, SILICATE SCIENCE (VII A)	15	9
Galley Proofs, SILICATE SCIENCE	30	
Galley Proofs, SILICATE SCIENCE	33	--
Revision Copy, SILICATE SCIENCE (VII A)-Part 1	15	10
Revision Copy, SILICATE SCIENCE (VII A)-Part 2	15	11
(Misc.) Notes and Russian Notes	15	12
U.S. Patent office Affidavit, 1963/(Misc.) Notes	15	13
Kaiser-Wilhelm-Institut fur silikatforschung	15	14
Kaiser-Wilhelm-Institut: Architectural Drawings	OS 136	
Treatise: QUARTZ CRYSTALS by Dr. N. Padurow	15	15
Treatise: ATZFIGUREN...DES QUARTES, N. Padurow	15	16

**Wilhelm J.H. Eitel**  
**Papers, 1890-1978**

Manuscript: PHASE DIAGRAMS FOR CERAMISTS, 1964	15	17
Copyrights: SILICATE SCIENCE, vol. I	15	18
Copyrights: SILICATE SCIENCE, vol. II	15	19
Copyrights: SILICATE SCIENCE, vol. III	15	20
Copyrights: SILICATE SCIENCE, vol. IV	15	21
Treatise: UEBERSETZUNG DES GUTASHLENS, Dr. Cummins	15	22
Blueprints and Photo of Gruendler Mill Assembly	15	23
Proof: Section A, SILICATE SCIENCE	15	24
Proof: Section B, SILICATE SCIENCE/Note to Eitel	15	25
INVESTIGATIONS ON SYNTHESIS OF FLOURINE, 1948	16	1
(Misc.) Chemical Abstracts, (Misc.) Authors (folder 1)	16	2
(Misc.) Chemical Abstracts, (Misc.) Authors (folder 2)	16	3
(Misc.) Chemical Abstracts, (Misc.) Authors (folder 3)	16	4
Course Curriculum, University of Heidelberg, 1970	16	5
(2) Books: STRASSENBAU / JAHRBUCH, 1937-1938, 1938	16	6
Manuscript: 3. AUFLAGE (folder 1)	16	7
Manuscript: 3. AUFLAGE (folder 2)	16	8
Manuscript: 3. AUFLAGE (folder 3)	16	9
(Misc.) A Correspondence, 1948-1952	16	10
(Misc.) B Correspondence, 1948-1950	16	11
(Misc.) C Correspondence, 1948-1950	16	12
(Misc.) D/E Correspondence, 1948-1950	16	13
(Misc.) F Correspondence, 1948-1950	16	14
(Misc.) G/H Correspondence, 1947-1950	16	15
(Misc.) K/L Correspondence, 1948-1951	16	16
(Misc.) M/N Correspondence, 1948-1950	16	17
(Misc.) P/R/S Correspondence, 1947-1950	16	18
(Misc.) T/W Correspondence, 1948-1950	16	19
(Misc.) Abstracts from Dr. Eitel	16	20
(Misc.) Abstracts on CUSPIDINE/ Mineral Photos	16	21
(Misc.) Diagrams and Negatives	16	22
(Misc.) Abstracts and Photos	16	23
ANLAGE II-V	16	24
(Misc.) Abstracts/ SILICATE RESEARCH PROBLEMS	16	25
(Misc.) Ceramic Abstracts	16	26
(Misc.) Abstracts and Notes	16	27
FIAT FINAL REPORT 746-SYNTHETIC MICA RESEARCH	16	28
(Misc.) Notes and Negatives	16	29
SYNTHETIC MICA DEVELOPMENT	16	30
(Misc.) Notes and Abstracts (folder 1)	16	31
(Misc.) Notes and Abstracts (folder 2)	16	32
(Misc.) Abstracts	16	33
(Misc.) Bibliography for SILICATE SCIENCE	17	1

**Wilhelm J.H. Eitel**  
**Papers, 1890-1978**

(Misc.) French/Italian Conferences	17	2
TAGUNG, JUNI 1935-Conference	17	3
TAGUNG, OKTOBER 1934-Conference	17	4
TAGUNG, JUNI 1934-Conference	17	5
TALSPERRENKONGRESS, July 1933	17	6
(Misc.) A-F Correspondence	17	7
(Misc.) G-R Correspondence	17	8
(Misc.) S-Z Correspondence	17	9
Esso Research Lab., Eitel, 1963-1974	17	10
Eitel Personal Corres., Home Mortgages	17	11
Eitel Personal Corres., Social Security	17	12
Eitel Personal Corres., BUNDESVERSIGHERUNGS.	17	13
Eitel Personal Corres., Home/Life Insurance	17	14
Eitel Personal Corres., Deutsche Bank	17	15
Eitel Personal Corres., (Misc.) German Comp.	17	16
ABSTRACTS #6997-#6622	17	17
ABSTRACTS 6620-#6368	17	18
ABSTRACTS #6363-#4710	17	19
SILICATE SCIENCE VI A- Final Working Copy	17	20
SILICATE SCIENCE VI B- Final Master/Work. Copy	17	21
SILICATE SCIENCE VI C- International Work. Copy	17	22
SILICATE SCIENCE -SECTION IIIA	17	23
SILICATE SCIENCE - Hydraulic Russian Bibli.	17	24
(Misc.) Insurance Information	18	1
ABSTRACTS #7974-#7670	18	2
ABSTRACTS #7669-#7000	18	3
Health/ Life Insurance	18	4
NRTA/ Medicare	18	5
(Misc.) Notes	18	6
(Misc.) Abstracts	18	7
SILICATE SCIENCE VII B- Working Manuscript	18	8
(Misc.) A-D Correspondence	18	9
(Misc.) E-J Correspondence	18	10
(Misc.) K-N Correspondence	18	11
(Misc.) O-Z Correspondence	18	12
Index/I. Draft Prelim. Report/I. Prelim. Report, 1962/I.		
Report Claim 12 Patent #2,920,971, 1962	18	13
II. Prelim. Report/II. Report Patent #2,920,971/#2,971,853, 1962/II. Report Patent #2,920,971, 1962	18	14
III. Report on Claim 12 Patent #2,920,971	18	15
IV. Report on Claim 12 Patent #2,920,971, 1962	18	16
Draft Reports I-IV on Claim 12 Patent #2,920,971	18	17
SILICATE SCIENCE VI A, Intermediate Work. MS. (folder 1)	18	18

**Wilhelm J.H. Eitel****Papers, 1890-1978**

SILICATE SCIENCE VI A, Intermediate Work. MS. (folder 2)	18	19
SILICATE SCIENCE VI B, Intermediate Work. MS.	18	20
SILICATE SCIENCE VI C, Final Working Manuscript	19	1
SILICATE SCIENCE VII A, Working MS.-Part 1	19	2
SILICATE SCIENCE VII A, Working MS.-Part 2	19	3
ABSTRACTS #7967-#7406	19	4
ABSTRACTS #7405-#6451	19	5
ABSTRACTS #8900-#8619	19	6
ABSTRACTS #8618-#8290	19	7
ABSTRACTS #8289-#8000	19	8
(2)Spanish Treatises: LA SCIENZA/ CHEMICO-FISICO	19	9
TAGUNG, 1939/TAGUNG, 1936	19	10
TAGUNG, 1936/TAGUNG, 1935/SITZUNG, 1935	19	11
(Misc.) Conference - French	19	12
TAGUNG, 1939/SITZUNG- Wien, 1938	19	13
SITZUNG- Paris, 1937	19	14
TAGUNG, 1937	19	15
SITZUNG, 1937/TAGUNG, 1936	19	16
ABSTRACTS #6726-#6257	20	1
ABSTRACTS #6256-#5908	20	2
ABSTRACTS #5907-#5621	20	3
ABSTRACTS #5620-#5308	20	4
ABSTRACTS #5307-#5062	20	5
ABSTRACTS #5061-#4703	20	6
(MISC.) Notes and Photos	20	7
FIAT- Reviews: SILIKAT-FORSCHUNG	20	8
BERICHT, 1945	20	9
BERICHT, 1944	20	10
ABSCHRIFT, 1944	20	11
(Misc.) Patents/Notes/Photos	20	12
SILICATE SCIENCE VII A, Extra MS.-Part 1	20	13
SILICATE SCIENCE VII A, Extra MS.-Part 2	20	14
SILICATE SCIENCE VI C, Intermediate Master MS., 1	20	15
SILICATE SCIENCE VI C, Intermediate Master MS., 2	20	16
Final Report, Standard Oil Project	21	1
Negative Diagrams, A-Z Formulas	21	2
Owens-Illinois, Correspondence	21	3
Tables of Mineral Cell Dimensions	21	4
Reports: Owens-Illinois Spectraglass Method	21	5
Negative Diagrams, A-Z Minerals	21	6
<b>Series VII. Miscellaneous</b>		
(2) Triangles-Wooden/(1) Compass-Plastic	21	7

**Wilhelm J.H. Eitel****Papers, 1890-1978**

Dr. Eitel's Address Index	21	8
(Misc.) Catalog, Emelton Electronics Corp., 1978	31	6
(Misc.) Photos and Negatives	21	9
(Misc.) Photos and Negatives	34	--
(Misc.) Machinery Photos-Mounted (Mineral)	21	10
(2) Photos of Eitel-U.T. Research Foundat., 1951	21	11
(Misc.) Silicate Pamphlets (10) (folder 1)	21	12
(Misc.) Silicate Pamphlets (10) (folder 2)	21	13
(Misc.) Silicate Pamphlets (7)	21	14
(Misc.) Mineral Photos (32)	21	15
(Misc.) Mineral Photos and Negatives	21	16
(Misc.) Mineral Photos- Mycalex	21	17
(Misc.) Photos and Diagrams	21	18
(+) (8) Ink Stamps	21	--
(3) Glass Plate Negatives, Wooden Boxes	22	--
(4) Glass Plate Negatives, Wooden Boxes	23	--
Printing Blocks-#1-89, 92/ (3) (Misc.) Blocks, Diagrams for SILICATE SCIENCE	24	--
(Misc.) Mineral Photos and Diagrams (folder 1)	25	1
(Misc.) Mineral Photos and Diagrams (folder 2)	25	2
(Misc.) Mineral Photos and Diagrams (folder 3)	25	3
(+) (8) Personal Working Journals- Eitel	25	--
(10) Personal Working Journals- Eitel	26	--
(Misc.) Photos of Wilhelm Eitel	27	1
Alien Registration File/(2) Birth Certificates	27	2
MIKROSKOPIE-Illustrations	27	3
(Misc.) Illustrations	27	4
(Misc.) Diagrams (folder 1)	27	5
(Misc.) Diagrams (folder 2)	27	6
(5) Small Journals	27	7
Guest Book for Silicate Institute	27	8
Abstract: FIAT REPORT, 749	27	9
Notebook: Abstracts, N.D.	27	10
(Misc.) Reviews, Eitel	27	11
Inaugural- Dissertation, Eitel, 1912	27	12
SYNTHETIC MICA INVESTIGATIONS IV	27	13
PRODUCTION OF PERMUTITE BY THE WET METHOD, by J. Delimarsky and E. Dolgowa, 1936 (in Russian)	31	7
Treatise: HETEROGENEN SCHMELGLEICHGEWICHTE, 1945	27	14
Bound Abstracts, Eitel, 1932	27	15
Bound Treatise: HETEROGENEN, 1945	27	16
(4) Mineralogie Journals (folder 1)	27	17
(4) Mineralogie Journals (folder 2)	27	18

**Wilhelm J.H. Eitel**  
**Papers, 1890-1978**

(4) Straight Edges, Eitel/ Name Plate	27	19
(2) 35 mm Fold-out Cameras, ca. 1920-1930	27	--
(Misc.) Index Cards- Abstracts, Eitel	28	--
Box of Crystals	28	--
Fountain pen	28	--
(Misc.) Glass Plates	29	--
(Misc.) Metal Slides	29	--
(Misc.) Glass Plates	30	--
(Misc.) Kodak Film Canisters	30	--
(Misc.) Name Cards	30	--
(5) Doctorate Degrees, Eitel, 1912	OS 14	OC-2
Misc. Research Diagrams	OS 136	R 3/S B
Misc. Research Graphs	OS 136	R 3/S B
Misc. Blueprints	OS 136	R 3/S B

**Wilhelm J.H. Eitel**  
**Papers, 1890-1978**