



15/5/32
Liberal Arts and Sciences
Chemistry
Therald Moeller Papers, 1937-1969

Box 1:

Biographical Sketch
List of Publications
Symposia Proceedings
Instructional Films

Box 2: Books, 1952-1965

Box 3: Articles, 1937-1968
Abstracts of theses done under Moeller, 1944-53

Box 4: Chemistry Institute Syllabi
Air Force Contract Research Reports, 1948-50

Box 5: Air Force Contract Research Reports, 1950-69

Key Research Articles - Subjects

Chemistry of Lanthanides	Colorimetry
Colloids	Chemistry of Chelates
Gallium	Properties of Sulfamide
Indium	8 - Quinolinol Research
Thallium	P - N, S - N, P - P Chemectax
Rare Earth Chemistry	Inorganic polymers
Thorium Chemistry	Physical Methods in Inorganic Chemistry
Electrometric Studies on Metal Compounds	Spectrophotometry
Radio Tracer Techniques	

Coronet Instructional Films, Therald Moeller - Educational Collaborator

The Halogens, 1947
Oxygen, 1947
Carbon & Its Compounds, 1948
Metals & Non-Metals, 1948
Introduction to Chemistry, 1949

Air Force Contract Research Paper - Subjects

Rare Earth Studies - Chemical & Electro-chemical analysis

Investigations of Rare Earth Problems
Research on preparation of Tetrameric Phosphinitoclic Chloride
Research with Bromides, fluorides, chlorides
Research on use of Polymers at High Temperatures
Sulphur - Nitrogen Compounds
Gallium Chemistry
Thorium Chemistry
Indium Chemistry

Box 6: Correspondence (1966-67), Lecture Notes, Notes on Thorium Analysis, Lists of Theses on Rare Earths

Correspondence to Institute for continuing Education in Engineering and Applied Science concerning Lecture on Atomic Structure given before Institute on Modern Physical Inorganic Chemistry, September 18, 1967, including lecture notes
Correspondence to College of St. Teresa on National Science Foundation Chemistry Institute, Summer, 1966, includes materials
Correspondence and report to University of Missouri concerning Moeller's consultation visit of their Department of Chemistry, 1967
Correspondence - University of San Paulo concerning recommendations of a faculty member
Correspondence - Western Michigan University concerning offer to Moeller of Chemistry Department Chairmanship, 1967
Lecture Notes - Chemistry 101, 1967-68
Thorium Analysis - Notes
List of Theses in University of Illinois Library dealing with Rare Earth Elements, 1911-1951
Correspondence with A. D. Mackay Chemical Company concerning the purchase of rare earths, May 3, 4, 1939.
Letter from Hendrick Romeyn, Jr. (U.S. Rubber Company) concerning the prevalence of indium bearing material in Western Utah, January 6, 1941.
Price list of rare earths from A. D. Mackay, March 18, 1941.
Correspondence with O. C. Dermer (Oklahoma Agricultural and Mechanical College) concerning Dermer's work with gallium and indium, April 15, 29, 1942.
Correspondence with R. F. Gill (Director of Research, Research Laboratories of Colorado, Inc.) concerning the possible purchase by Moeller of rare earths from Research Laboratories, November 2, 11, 1955.
Letter from D. L. Dobbs (Assistant Director of Research, Research Laboratories of Colorado) concerning Moeller's work with naphthazarin, January 6, 1956.
Letter from Moeller to W. A. Weyl (Chairman, Division of Mineral Technology, College of Mineral Industries, Pennsylvania State University) concerning Weyl's manuscript (included in folder) on the determination of acids and bases, March 28, 1956.
Letter of appreciation from Moeller to Aluminum Industrie Aktien Gesellschaft (Switzerland) for a dissertation sent to Moeller.
Letter of appreciation from Franklin D. Smith (Monsanto Chemical Company) to Moeller thanking

him for a report on beryllium, January 2, 1958.
Letter to Moeller from Ernesto Giesbrecht (University de Sao Paulo) concerning a manuscript which Moeller criticized, June 17, 1959.
Correspondence with F. Albert Cotton (Massachusetts Institute of Technology) concerning research, April 30, 1963 and May 2, 1963.
Letters from Cyril L. Comar (Institute for the Application of Nuclear Energy) and Felix Brown (University of Louisville) announcing the publication of Mineral Metabolism.
Letter from R. E. Thoma (Oak Ridge National Laboratory) thanking Moeller for his comments on rare earths and enclosing a report by Thoma, May 13, 1965 (report included).
Report of the recovery of indium from zinc process residues (handwritten).
Report of the Indium Method of Anaconda Copper Mining Company.
A bound volume of articles by Moeller and coworkers, Scientific Publications (1938-1969).