



Smithsonian

*National Museum of American History Kenneth E. Behring Center*

## Max Kronenberg Machining Science Papers

NMAH.AC.0813

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October 2002

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## Collection Overview

<b>Repository:</b>	Archives Center, National Museum of American History
<b>Title:</b>	Max Kronenberg Machining Science Papers
<b>Identifier:</b>	NMAH.AC.0813
<b>Date:</b>	1954-1971
<b>Creator:</b>	Kronenberg, Max, 1894-
<b>Source:</b>	National Museum of American History (U.S.). Division of Engineering and Industry
<b>Extent:</b>	1.3 Cubic feet (4 boxes)
<b>Language:</b>	English .

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## Administrative Information

### Acquisition Information

Immediate source of acquisition is unknown.

### Provenance

This collection was transferred to the Archives Center in 2002 from the Division of the History of Technology.

### Processing Information

Collection processed by Don Darroch and Robert S. Harding, September 2002.

### Preferred Citation

Max Kronenberg Papers, 1954-1971, Archives Center, National Museum of American History.

### Restrictions

Collection is open for research.

### Conditions Governing Use

Collection items available for reproduction, but the Archives Center makes no guarantees concerning copyright restrictions. Other intellectual property rights may apply. Archives Center cost-recovery and use fees may apply when requesting reproductions.

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## Biographical / Historical

Max Kronenberg was born in Berlin, Germany in 1894 and was educated there. He served in the German Army in World War I. Returning to Berlin he completed his higher education earning a doctorate in Mechanical Engineering at the University of Berlin in 1927. He served as a professor there, but later moved to the U.S. where he was employed by the Cincinnati Milling Machine Co. in 1936. He specialized in developing techniques for machining of metals and became internationally known in the field, publishing more than 140 papers on those subjects in several languages. In 1941 he became a naturalized U.S. citizen and in

1945-1946 was consultant to the Secretary of War. Later he assisted the U.S. delegation to the U.N. and received numerous honors and awards from technical associations and societies. From 1948 he was self-employed as a consulting research engineer. He died in 1972 in Cincinnati.

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## Scope and Contents

This collection includes technical reports containing laboratory notes, charts, graphs, drawings, and diagrams relating to Kronenberg's career as a researcher and analyst in the field of machining of metals from the 1920s to the 1960s. The papers are in English, in Kronenberg's native German as well as in French, Russian and Spanish. They relate to his employment with the Cincinnati Milling Machine Co., as well as his later career as independent consultant, including his work on United Nations studies of the machine industry in developing countries.

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## Arrangement

The collection is arranged into one series.

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## Names and Subject Terms

This collection is indexed in the online catalog of the Smithsonian Institution under the following terms:

### Subjects:

- Machinery
- Machinery industry
- Machining

### Types of Materials:

- Articles
- Charts
- Diagrams
- Laboratory notes
- Technical drawings
- Technical reports
- Trade literature

### Names:

- National Museum of American History (U.S.). Division of Engineering and Industry

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## Container Listing

Box 1, Folder 1	Various Vibration Problems (Vibr. I)
Box 1, Folder 2	Torsional Vibration of Gear Trains (Vibr. II)
Box 1, Folder 3	Commercial Research Laboratories, Inc. (manufacturers of Cox Instruments)
Box 1, Folder 4	Notes, Calculations and Charts: mechanics of gear drive shafts
Box 2, Folder 5	Ultra High Speed Machining (Feasibility Study) Phase I AMC Aeronautical Systems Center USAF, June 1960 (bound volume, 287 pp.)
Box 2, Folder 6	Report #15 (Lockheed) on Ultra high speed machining (96 pp. plus graphs)
Box 2, Folder 7	United Nations Trip, Moscow, September - October, 1966 (correspondence, notes and papers)
Box 2, Folder 8	U.N. Treatise on Acceptance tests for Machine Tools (91 pp. plus A Practical Guide)
Box 2, Folder 9	Proposal for the Development of Ultra High Speed Machining Devices, June 15, 1959, Lockheed Aircraft Corporation
Box 3, Folder 10	Kronenberg publications, 1920-1941 (bound volume, including material in French, Russian, Spanish, German and English)
Box 4, Folder 11	Kronenberg publications since 1960
Box 4, Folder 12	Trends in the Design of Metal Working Machinery and in Production Methods, 1966 (In English, French, Spanish & Russian)
Box 4, Folder 13	Biography, Awards, List of Publications
Box 4, Folder 14	Illustrations for American Edition of Science & Practice of Metal-Cutting
Box 4, Folder 15	Lecture Notes - Technical University of Berlin, June 1971
Box 4, Folder 16	Handwritten pages for American Edition
Box 4, Folder 17	Original illustrations for German text, Vol. I, 1954
Box 4, Folder 18	Prints of redrawn illustrations for American Edition