



Smithsonian

National Museum of American History Kenneth E. Behring Center

Guide to the Nicholas C. Mandragos Papers, 1927-1959

NMAH.AC.0484

Don Darroch

1993-09-09

Archives Center, National Museum of American History
P.O. Box 37012
Suite 1100, MRC 601
Washington, D.C. 20013-7012
Business Number: Phone: 202-633-3270
Fax Number: Fax: 202-786-2453
archivescenter@si.edu
<https://americanhistory.si.edu/archives>

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Collection Overview

Repository:	Archives Center, National Museum of American History
Title:	Nicholas C. Mandragos Papers
Date:	1905-1964, undated
Identifier:	NMAH.AC.0484
Creator:	Mandragos, Nicholas C., 1896- (engineer) (Creator) Mandragos, Frieda
Source:	National Museum of American History (U.S.). Division of Engineering
Extent:	2.5 Cubic feet (10 boxes)
Language:	English .
Summary:	The papers of immigrant engineer Nicholas C. Mandragos.

Administrative Information

Acquisition Information

This material was donated to NMAH, together with several instruments and models relating to materials testing, in October 1992 by Mr. Mandragos' widow, Frieda Mandragos.

Provenance

Papers were transferred to the Archives Center from the Division of Work and Industry on April 15, 1993.

Separated Materials

Instruments and models are housed in the the Division of Work and Industry.

Processing Information

Collection processed by Don Darroch, September 9, 1993

Preferred Citation

Nicholas C. Mandragos Papers, 1927-1959, Archives Center, National Museum of American History.
Gift of Frieda Mandragos.

Restrictions

Collection is open for research but is stored off-site and special arrangements must be made to work with it. Contact the Archives Center for information at archivescenter@si.edu or 202-633-3270.

Conditions Governing Use

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Biographical / Historical

Nicholas C. Mandragos was born on the Greek island of Symi in 1896, was educated at the Salvago Professional School in Alexandria, Egypt, at New York University and at Brooklyn Polytechnic Institute. He received a bachelor of science degree in engineering at the latter institution plus 21 points of graduate studies. After being employed as a structural engineer by New York Central RR, 1926-1937, Mandragos was employed in research during World War II at the War and Navy Depts. He also lectured on photoelasticity at George Washington University 1943-1949 and was an associate professor there 1947-1949; later he was a consulting engineer.

Scope and Contents

The collection consists almost entirely of notes Mandragos used as the basis for lectures to his engineering classes. They cover various problem areas: stress analysis of structures, strength of materials, hydraulics and other technical aspects of structural design. There are also a few notes Mandragos made as a student in the 1920s and 1930s. The notes are carefully hand printed with detailed technical drawings, sometimes in photocopy. They are arranged alphabetically by subject, usually with dates.

Arrangement

Collection is arranged into one series.

Names and Subject Terms

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

Subjects:

- Concrete -- 1920-1960
- Engineering -- Study and teaching -- 1920-1960
- Engineers -- 1920-1960
- Hydraulic engineering -- 1920-1960
- Strength of materials -- 1920-1960
- Structural engineering -- 1920-1960
- Tolerance (Engineering) -- 1920-1960

Types of Materials:

- Instructional materials
- Lecture notes

Names:

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

Container Listing

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Box 1, Folder 2	Analytical Dynamics and Mechanics, 1948
Box 1, Folder 3	Bridges, 1942-1947
Box 1, Folder 4	Bridge Stresses, 1948-1949
Box 1, Folder 5	Chimneys, undated
Box 1, Folder 6	Column Analogy, c. 1929-1930
Box 1, Folder 7	Concrete, 1940-1949
Box 1, Folder 8	Concrete, 1944-1945
Box 1, Folder 9	Contact Stresses, 1954-1955
Box 2, Folder 1	Determinants, undated
Box 2, Folder 2	Determinants, undated
Box 2, Folder 3	Domes, undated
Box 2, Folder 4	Dynamics, 1948
Box 2, Folder 5	Dynamics, 1949-1953
Box 2, Folder 6	Dynamics, 1954
Box 2, Folder 7	Economics Engineering, 1936
Box 3, Folder 1	Engineering Education, 1944-1946
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Box 3, Folder 8	Lectures, Dates and Places, 1945-1946
Box 3, Folder 9	Loading of Beams, 1953
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Box 6, Folder 7	Theory of Structures, undated
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Box 6, Folder 9	Transmission Towers, undated
Box 6, Folder 10	Ventilation, 1933
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Box 9, Folder 3-4	Concrete, 1938-1962
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Box 9, Folder 6	Floor gratings, 1957, 1964
Box 9, Folder 7	Heat transmission, 1947
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