# Guide to the Barnett Fred Dodge Papers 

## MS 640



Preliminary Inventory by John Espy
March 1983
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## Collection Overview

REPOSITORY: Manuscripts and Archives<br>Yale University Library<br>P.O. Box 208240<br>New Haven, CT 06520-8240<br>(203) 432-1735<br>(203) 432-7441<br>beinecke.library@yale.edu<br>http://www.library.yale.edu/mssa/<br>CALL NUMBER: MS 640<br>CREATOR: Dodge, Barnett F. (Barnett Fred), 1895-<br>TITLE: Barnett Fred Dodge papers<br>DATES: 1930-1972<br>PHYSICAL DESCRIPTION: 104 linear feet (110 boxes)<br>LANGUAGE: English<br>SUMMARY: Correspondence, research files, teaching materials, and writings relating to Barnett F. Dodge's (1895-1972) position as chairman of the Department of Chemical Engineering, Yale University, 1931-1963, his participation in professional organizations and his activities as consultant to governments and corporations on technical problems. Among the teaching materials are lectures, problems, examinations, and reports of students. Included also are offprints of papers by Dodge published between 1922 and 1964, speeches, a biography and a small amount of personal papers.<br>ONLINE FINDING AID: To cite or bookmark this finding aid, please use the following link: https:// hdl.handle.net/10079/fa/mssa.ms. 0640

## Requesting Instructions

To request items from this collection for use in the Manuscripts and Archives reading room, please use the request links in the HTML version of this finding aid, available at https://hdl.handle.net/10079/fa/ mssa.ms. 0640.
To order reproductions from this collection, please go to http://www.library.yale.edu/mssa/ ifr copy order.html. The information you will need to submit an order includes: the collection call number, collection title, series or accession number, box number, and folder number or name.

Key to the container abbreviations used in the PDF finding aid:
b. box

## Administrative Information

## Immediate Source of Acquisition

Gift of Mrs. Barnett F. Dodge, 1972.

## Conditions Governing Access

The materials are open for research.

## Conditions Governing Use

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## Preferred Citation

Barnett Fred Dodge Papers (MS 640). Manuscripts and Archives, Yale University Library.

## Scope and Contents

Correspondence, research files, teaching materials, and writings relating to Barnett F. Dodge's (1895-1972) position as chairman of the Department of Chemical Engineering, Yale University, 1931-1963, his participation in professional organizations and his activities as consultant to governments and corporations on technical problems. Among the teaching materials are lectures, problems, examinations, and reports of students. Included also are offprints of papers by Dodge published between 1922 and 1964, speeches, a biography and a small amount of personal papers.

## Collection Contents

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b. 1 American Institute of Chemical Engineers

Local Sections
General and Miscellaneous
Research Committee
Research Policy Committee
Future of Institute Committee
Equipment Test Procedures
American Institute of Chemical Engineers
President
Nuclear Energy Division
Nuclear Energy Exposition
Committee on Education and Accrediting
Publications Committee
American Institute of Chemical Engineers
Fiftieth Anniversary

## General Lists

Minutes of Meetings
Papers by Foreign Engineers
Fund Raising
"Chemical Engineering Around the World" English

Analytical Methods
Argentina
Books by Bliss and Dodge
English Versions of Barcelona Lectures
Brookhaven National Laboratories
LMFR
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## Volatility Processes

Chemical Engineering in Australia
Chemical Engineering Abroad Japan--Engineering Mission
Chemical Engineering Abroad
France in General Lille
Chemical Engineering Abroad
France/Toulouse in Particular
Chemical Engineering in France Instituts du Génie
Chemical Engineering Abroad
South America and Central America Includes Mexico and Puerto Rico Venezuela in Particular Uruguay
Chemical Engineering Abroad Spain--Lectures at Barcelona
Chemical Engineering 49 Design
Lectures on Chemical Engineering at Barcelona, Spain in Spanish

## Chemical Engineering

## Education

General

## Europe

## South America

Chemical Engineering 25/First Course in Chemical Engineering
Chemical Engineering at Yale
Material on New Building and Development of Chemical Engineering at Yale
Chemical Engineering

## 38-44 Bound Sets of Problems and Exams

Chemical Engineering 42 Reports
Chemical Engineering 42 Reports 1947
Chemical Engineering 192 Material for Lectures and Problems
Chemical Engineering
47,191,192,193,194 Bound Sets of Problems and Exams
Chemical Engineering 192 Problems and Exams
Chemical Engineering 198 Plant Design Reports
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Compressors
General

## Centrifugal

Worthington included in this laboratory
Computing and Computers
Computers
Compressor Auxiliaries
Filters, After Coddlers, Flow Meters, Pressure Regulator Unloaders
Connecticut Coke 10 Test 1940
Connecticut State Water Commission
Metal State Industries Memo No. 1 to No. 12 inclusive
Connecticut State Water Commission
Metal Industries Memo No. 13 to No. 24 inclusive
Connecticut State Water Commission
Metal Industries Memo No. 25 to No. 34 inclusive
Connecticut State water Commission
Metal Industries Memo No. 35 to No. 44 inclusive
Control
Gauges
Humidity
Flow
Composition
Mercoid
Correspondence With Former Students (alphabetically)
B.F. Dodge, Personal Papers, Talks, Biography, etc.
B.F. Dodge, Work for NORC on oxygen problems.

Reprints of papers by B.F. Dodge.
1922-1953
Reprints of papers by B.F. Dodge.
Memo on Department of Chemical Engineering
Reprints of papers by B.F. Dodge.

1954-1963

1964-
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Energy and Power Generation
General
Engineering Education
Design
Reprint of President's Committee
Study of Curricula at Other Schools
Engineering Educators
Design
Engineering Education
General
Study Committee
Faculty Opinions
Curricula
Engineering Societies Center/Special Task Committee
Engineering
General Teaching Methods
Education
Foundation
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Professionalism
Licensing
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Hydrogen Embrittlement/Hydrogen Diffusion in Iron and Steel
Hydrogen Embrittlement
International Relations/American Institute of Chemical Engineers Committee
Low Temperature Engineering/Lectures and Problems
Low Temperature Engineering/Drawings of Keyes Oxygen Plant
Materials
General
Miscellaneous pamphlets on properties of plastics.
Materials/Heat Transfer Fluids
Materials/Steels and Alloys
Materials/Steels and Alloys for High Pressure
Methanol Synthesis
Consulting File from S. Karpen and Brothers.
Nuclear Energy/General
Oak Ridge/Laboratory Sudies on Desalination
Oneida-Waste Treatment
Instructions for Writing
Pressure Technology/General
Pressure Technology Catalogs of Material and Equipment
Pressure Technology Various Techniques
Pressure Technology
High Pressure Laboratory/Bridgeman Papers
Pressure Technology
Miscellaneous and General
Autoclave
Design of Equipment
Pressure Technology/"High Pressure Associates"
Pressure Technology
"High Pressure"/Closures, Seals, Materials English

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Equipment and Technique
Problems-Chemical Engineering
Problems-Thermodynamics
Problems in Graduate Courses at Yale
Problems and Miscellaneous Material for Courses in Applications of Thermodynamics

Process Design
Process Design
Process Design Course Material
Process Design Problems and Solutions
Literature
Process Design
Problems and Solutions
Literature
New Developments-reports
Processes
Professional School Engineering
Research
Compressibility of Gases/United States Naval Ordnance Laboratory Reports
General Russian papers on high pressure.
Research
Gases in Metals

## Literature

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Joule-Thomson Effect Drawings of apparatus used at California Institute of Technology.

Reviews "Industrial and Engineering Chemistry"
Saline Water
Annual Reports of the Office of Saline water Proceedings of 1957 and 1962 conferences.

Saline Water/Dodge and Esbaya reports
Saline Water
Dodge and Esbaya reports.
General Reports on Saline Water
Saline Water/Oak Ridge National Laboratory Reports
Saline Water-General
Office of Saline Water News Releases/Papers from Wood's Hole conference.
Saline Water Conversion/Correspondence with equipment companies and bulletins on equipment

Saline Water Conversion
Reports, Symposia, Miscellaneous
Thermal Insulation
Applied Thermodynamics
Thermodynamics Book Revision
Thermodynamics Book Revision-Industrial chapters
Thermodynamics-General/Examinations in graduate courses
Thermodynamics Research Laboratory/University of Pennslyvania
Thermodynamics
Miscellaneous
Jefferis-Norton Oxygen Process Corporation
General
List of Engineers of Thermodynamics
Thermodynamic Properties/General
Thermodynamic Properties
General
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S-U

A - Ai
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Hy-L
L-P
P-S
S-V
Consulting
$A-B$
B-P
P-W

## General Files

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E-P
$R-Y$

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Pre - Pro
Pro-Res
Res (cont.)

National Defense Research Council

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General - II
Oxygen
Phase Equilibria
Thermodynamics - III
Waste Disposal
Armed Services Technical Information Agency Publications
Catalysis
General - I
Low Temperature
Pressure Technology
Thermodynamics - I
[Thermodynamics - II] English

Unit Operations - I
Unit Operations - II
Yale University. Dept. of Chemical Engineering: departmental papers
General correspondence of Dodge as Chairman
1933-1947
Correspondence re: meetings, speeches, papers
1930-1938
Correspondence with Armour Institute of Technology
1940-1941
Account book

Departmental personnel: jobs \& applicants
Dept. of Personnel Study; correspondence papers
1942-1947, undated

1940-1946

Graduate students: correspondence, applications
Questionnaires sent to Chemical Engineering alumni, graduates
1934-1941
1931-1950
1939, 1941
Questionnaires sent to various colleges re: new chemical engineering laboratories

Connecticut State Water Commission
Correspondence
Accounts, reports, etc.
Miscellaneous papers

1936-1941
1940-1941
-

1926-1953
1945-1954

## Selected Search Terms

The following terms have been used to index the description of this collection in the Library's online catalog. They are grouped by name of person or organization, by subject or location, and by occupation and listed alphabetically therein.

## Subjects

Chemical engineering
Educators
Engineering

## Occupations

Chemists
Engineers

## Names

Dodge, Barnett F. (Barnett Fred), 1895-

## Corporate Bodies

Armour Institute of Technology Connecticut State Water Commission
Yale University. Department of Chemical Engineering
Yale University. School of Engineering
Yale University -- Faculty

